

SECTION 1: PRODUCT IDENTIFICATION

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5835  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 8531-44 SEMI STN/WP REDWOOD®  
REVISION DATE : 01-05-88

SECTION 2: HAZARDOUS INGREDIENTS

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	80%	NOT EST	100.00	NOT EST ( 1)
COMMON(NA):SILICA CAS:83231-87-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2) ( 2)
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	5%	NOT EST	15.00	10.00 ( 2) ( 2)
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIORINE	20%	NOT EST	100.00	NOT EST ( 1)

( 1) = PPM  
( 2) = MG CU M

SECTION 3: PHYSICAL DATA

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.88  
PERCENT VOLATILE BY VOLUME: 85.51  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.80  
UPPER EXPLOSIVE LIMIT : 8.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-  
PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
IRRITATION.

SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

SECTION 6: REACTIVITY DATA

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

SECTION 7: SPILL OR LEAK PROCEDURES

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:  
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:  
WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING  
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:  
REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH  
POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH  
OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS  
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:  
OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

\*\*\*\*\* DISCLAIMER SECTION \*\*\*\*\*

THE FURNISHING OF THE INFORMATION CONTAINED HEREIN DOES NOT CONSTITUTE A  
REPRESENTATION BY VALSPAR THAT ANY PRODUCT OR PROCESS IS FREE FROM PATENT  
INFRINGEMENT CLAIMS OF ANY THIRD PARTY OR DOES IT CONSTITUTE THE GRANTING OF A  
LICENSE UNDER ANY PATENT OF VALSPAR OR ANY THIRD PARTY. VALSPAR ASSUMES NO  
LIABILITY FOR ANY INFRINGEMENT WHICH MAY ARISE OUT OF THE USE OF THE PRODUCT.  
VALSPAR WARRANTS THAT ITS PRODUCTS MEET THE SPECIFICATIONS WHICH IT SETS FOR  
THEM. VALSPAR DISCLAIMS ALL OTHER WARRANTIES RELATING TO THE PRODUCTS, AND  
DISCLAIMS ALL WARRANTIES RELATING TO THEIR APPLICATION, EXPRESS OR IMPLIED,  
INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
PARTICULAR PURPOSE. RECEIPT OF PRODUCTS FROM VALSPAR CONSTITUTES ACCEPTANCE OF  
THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
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OFF-SPECIFICATION, VALSPAR WILL, AT ITS SOLE DISCRETION, EITHER REPLACE THE  
PRODUCTS OR REFUND THE PURCHASE PRICE THEREOF, AND VALSPAR'S CHOICE OF ONE OF  
THESE REMEDIES SHALL BE BUYER'S SOLE REMEDY. VALSPAR WILL UNDER NO CIRCUM-  
STANCES BE LIABLE FOR CONSEQUENTIAL DAMAGES, EXCEPT INsofar AS A LIABILITY IS  
MANDATED BY LAW. VALSPAR WILL DELIVER PRODUCTS AT AGREED TIMES INsofar AS IT  
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MATERIAL SAFETY DATA SHEET

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FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6531-12 SEMI STN/WP NATL RE@  
REVISION DATE : 01-05-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	75%	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):SILICA CAS:63231-67-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIGROINE	5%	NOT EST	100.00	NOT EST ( 1 )

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.85  
PERCENT VOLATILE BY VOLUME: 84.38  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.70  
UPPER EXPLOSIVE LIMIT : 8.50

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RESPIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.  
PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.

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MATERIAL SAFETY DATA SHEET

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\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA.

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
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WASTE DISPOSAL METHOD:  
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VENTILATION:  
REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
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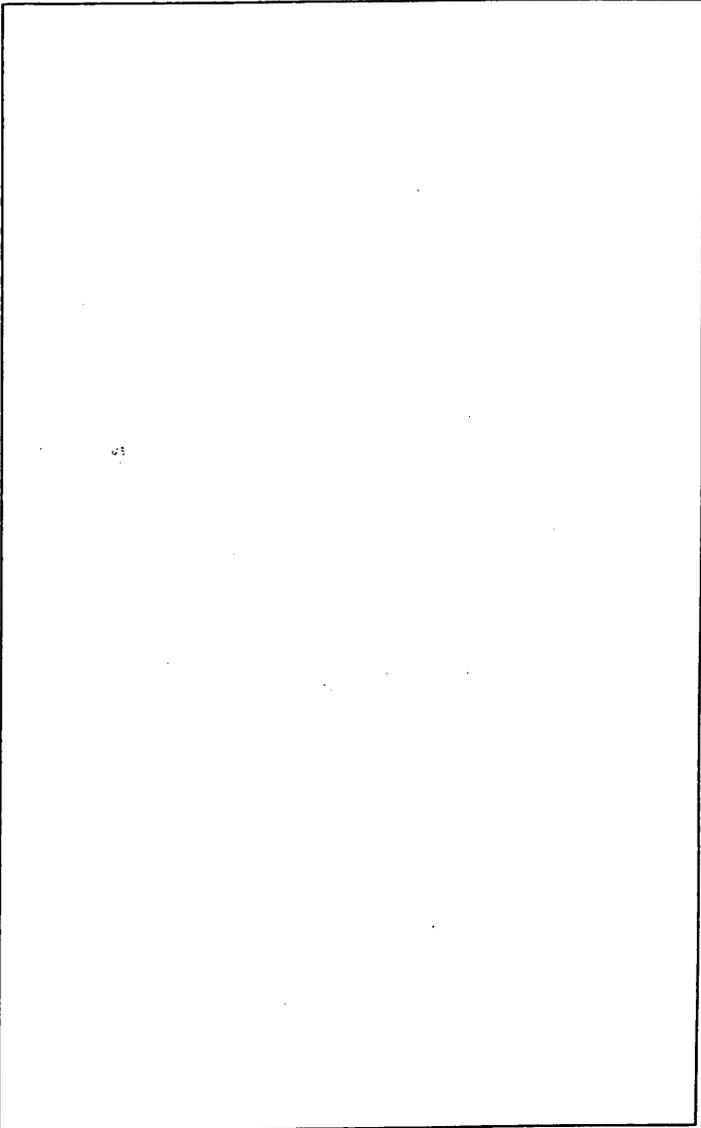
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TRADE NAME : 18 5531-43 SEMI STN/WP NATL CEP  
REVISION DATE : 01-05-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	75X	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):SILICA CAS:63231-67-4 CHEMICAL: SILICA GEL	1X	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIORGINE	5X	NOT EST	100.00	NOT EST ( 1 )

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.85  
PERCENT VOLATILE BY VOLUME: 85.04  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.70  
UPPER EXPLOSIVE LIMIT : 8.50

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
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THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

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EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
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TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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VALSPAR CORPORATION  
MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT IDENTIFICATION

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6531-11 SEMI STN/WP YORKTWNQ  
REVISION DATE : 01-05-88

SECTION 2: HAZARDOUS INGREDIENTS

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	60%	NOT EST	100.00 ( 1)	NOT EST ( 2)
COMMON(NA):SILICA CAS:83231-87-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00 ( 2)	10.00 ( 2)
COMMON(NA):IRON OXIDE CAS:1317-61-9 CHEMICAL: IRON OXIDE	5%	NOT EST	10.00 ( 2)	10.00 ( 2)
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIQROINE	20%	NOT EST	100.00 ( 1)	NOT EST ( 2)

( 1 ) = PPM  
( 2 ) = MG CU M

SECTION 3: PHYSICAL DATA

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.86  
PERCENT VOLATILE BY VOLUME: 86.85  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.80  
UPPER EXPLOSIVE LIMIT : 6.90

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-  
PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
IRRITATION.

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MATERIAL SAFETY DATA SHEET

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SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

SECTION 6: REACTIVITY DATA

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

SECTION 7: SPILL OR LEAK PROCEDURES

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING  
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.

EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH  
POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH  
OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS  
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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LICENSE UNDER ANY PATENT OF VALSPAR OR ANY THIRD PARTY. VALSPAR ASSUMES NO  
LIABILITY FOR ANY INFRINGEMENT WHICH MAY ARISE OUT OF THE USE OF THE PRODUCT.  
VALSPAR WARRANTS THAT ITS PRODUCTS MEET THE SPECIFICATIONS WHICH IT SETS FOR  
THEM. VALSPAR DISCLAIMS ALL OTHER WARRANTIES RELATING TO THE PRODUCTS, AND  
DISCLAIMS ALL WARRANTIES RELATING TO THEIR APPLICATION, EXPRESS OR IMPLIED,  
INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
PARTICULAR PURPOSE. RECEIPT OF PRODUCTS FROM VALSPAR CONSTITUTES ACCEPTANCE OF  
THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
ING. IN THE EVENT THAT VALSPAR FINDS THAT THE PRODUCTS DELIVERED ARE  
OFF-SPECIFICATION, VALSPAR WILL, AT ITS SOLE DISCRETION, EITHER REPLACE THE  
PRODUCTS OR REFUND THE PURCHASE PRICE THEREOF, AND VALSPAR'S CHOICE OF ONE OF  
THESE REMEDIES SHALL BE BUYERS SOLE REMEDY. VALSPAR WILL UNDER NO CIRCUM-  
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IS REASONABLY ABLE TO DO SO, BUT VALSPAR SHALL NOT BE LIABLE FOR FAILURE TO  
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MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (812) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6531-41 SEMI STN/WP BEDFORD  
REVISION DATE : 01-05-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	60%	NOT EST	100.00 ( 1)	NOT EST
COMMON(NA):SILICA CAS:63231-67-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00 ( 2)	10.00 ( 2)
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	1%	NOT EST	15.00 ( 2)	10.00 ( 2)
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIGROINE	15%	NOT EST	100.00 ( 1)	NOT EST

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.85  
PERCENT VOLATILE BY VOLUME: 85.84  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.80  
UPPER EXPLOSIVE LIMIT : 6.90  
EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-  
PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
IRRITATION.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORBTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:  
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
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\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

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AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:  
REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH  
POINT AND VAPOR PRESSURE. SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH  
OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
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UEL-UPPER EXPLOSIVE LIMITS; MQ CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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PARTICULAR PURPOSE. RECEIPT OF PRODUCTS FROM VALSPAR CONSTITUTES ACCEPTANCE OF  
THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
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SECTION 1: PRODUCT IDENTIFICATION

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (812) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5835  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 8531-01 SEMI ST & WP TINT BP  
REVISION DATE : 03-10-88

SECTION 2: HAZARDOUS INGREDIENTS

NAME	APPROX WT %	RECH LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	45%	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):CALCINED DIATOMACEOUS EARTH CAS:68855-54-9 CHEMICAL: KIESELGUHR, SODA ASH FLUX -CALCINED	1%	NOT EST	1.90	NOT EST ( 2 )
COMMON(NA):SILICA CAS:63231-67-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 3 ) ( 3 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIQROINE	25%	NOT EST	100.00	NOT EST ( 1 )

( 1 ) = PPM  
( 2 ) = UNITS NA  
( 3 ) = MG CU M

SECTION 3: PHYSICAL DATA

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.86  
PERCENT VOLATILE BY VOLUME: 78.95  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.80  
UPPER EXPLOSIVE LIMIT : 6.90

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-

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SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):  
PROLONGED EXPOSURE TO RESPIRABLE CRYSTALLINE QUARTZ MAY CAUSE DELAYED (CHRONIC) LUNG INJURY (SILICOSIS)  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

SECTION 6: REACTIVITY DATA

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

SECTION 7: SPILL OR LEAK PROCEDURES

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
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AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:  
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:  
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VENTILATION:  
REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLY-THRESHOLD LIMIT VALUES.

\*\*\*\*\* DISCLAIMER SECTION \*\*\*\*\*

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\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6531-40 SEMI STN/WP DARTMTH  
REVISION DATE : 01-05-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	65%	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):SILICA CAS:63231-67-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	1%	NOT EST	15.00	10.00 ( 2 ) ( 2 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIQROINE	15%	NOT EST	100.00	NOT EST ( 1 )

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.85  
PERCENT VOLATILE BY VOLUME: 85.02  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.70  
UPPER EXPLOSIVE LIMIT : 6.50

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-  
PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
IRRITATION.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.

DELAYED EFFECTS (CHRONIC):

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
Wipe up or absorb on suitable material and shovel up.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING  
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA. VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.

EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.

OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH  
POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH  
OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS  
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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LICENSE UNDER ANY PATENT OF VALSPAR OR ANY THIRD PARTY. VALSPAR ASSUMES NO  
LIABILITY FOR ANY INFRINGEMENT WHICH MAY ARISE OUT OF THE USE OF THE PRODUCT.  
VALSPAR WARRANTS THAT ITS PRODUCTS MEET THE SPECIFICATIONS WHICH IT SETS FOR  
THEM. VALSPAR DISCLAIMS ALL OTHER WARRANTIES RELATING TO THE PRODUCTS, AND  
DISCLAIMS ALL WARRANTIES RELATING TO THEIR APPLICATION, EXPRESS OR IMPLIED,  
INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
PARTICULAR PURPOSE. RECEIPT OF PRODUCTS FROM VALSPAR CONSTITUTES ACCEPTANCE OF  
THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
ING. IN THE EVENT THAT VALSPAR FINDS THAT THE PRODUCTS DELIVERED ARE  
OFF-SPECIFICATION, VALSPAR WILL, AT ITS SOLE DISCRETION, EITHER REPLACE THE  
PRODUCTS OR REFUND THE PURCHASE PRICE THEREOF, AND VALSPAR'S CHOICE OF ONE OF  
THESE REMEDIES SHALL BE BUYERS SOLE REMEDY. VALSPAR WILL UNDER NO CIRCUM-  
STANCES BE LIABLE FOR CONSEQUENTIAL DAMAGES, EXCEPT INsofar AS A LIABILITY IS  
MANDATED BY LAW. VALSPAR WILL DELIVER PRODUCTS AT AGREED TIMES INsofar AS IT  
IS REASONABLY ABLE TO DO SO, BUT VALSPAR SHALL NOT BE LIABLE FOR FAILURE TO  
DELIVER ON TIME WHEN THE FAILURE IS BEYOND ITS REASONABLE CONTROL.

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\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5835  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 8431-70 @OIL STN & WD PRES @  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	50%	NOT EST	100.00 ( 1 )	NOT EST
COMMON(NA):SILICA CAS:63231-87-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00 ( 2 )	10.00 ( 2 )
COMMON(NA):TALC CAS:14807-96-8 CHEMICAL: SILICIC ACID,MAGNESIUM SA LT (1:1)	15%	NOT EST	10.00 ( 2 )	20.00 ( 3 )
COMMON(NA):TITANIUM DIOXIDE CAS:13463-67-7 CHEMICAL: TITANIUM DIOXIDE	15%	NOT EST	10.00 ( 2 )	15.00 ( 2 )

( 1 ) = PPM  
( 2 ) = MG CU M  
( 3 ) = MPPCF

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 4.80  
SPECIFIC GRAVITY: 1.08  
PERCENT VOLATILE BY VOLUME: 89.37  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.90  
UPPER EXPLOSIVE LIMIT : 8.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-

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\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.  
PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
SILICON DIOXIDE CARBON DIOXIDE/MONOXIDE METAL OXIDES

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:  
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:  
WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION:  
REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
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ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
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UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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LIABILITY FOR ANY INFRINGEMENT WHICH MAY ARISE OUT OF THE USE OF THE PRODUCT.  
VALSPAR WARRANTS THAT ITS PRODUCTS MEET THE SPECIFICATIONS WHICH IT SETS FOR  
THEM. VALSPAR DISCLAIMS ALL OTHER WARRANTIES RELATING TO THE PRODUCTS, AND  
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THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
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PRODUCTS OR REFUND THE PURCHASE PRICE THEREOF, AND VALSPAR'S CHOICE OF ONE OF  
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STANCES BE LIABLE FOR CONSEQUENTIAL DAMAGES, EXCEPT INsofar AS A LIABILITY IS  
MANDATED BY LAW. VALSPAR WILL DELIVER PRODUCTS AT AGREED TIMES INsofar AS IT  
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DELIVER ON TIME WHEN THE FAILURE IS BEYOND ITS REASONABLE CONTROL.

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\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6431-61 SOLID SWP DUSK GRAY  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(HA):EXEMPT MINERAL SPIRITS CAS:18032-32-4 CHEMICAL: NAPHTHA	55X	NOT EST	100.00 ( 1 )	NOT EST
COMMON(HA):SILICA CAS:63231-67-4 CHEMICAL: SILICA GEL	1X	NOT EST	10.00 ( 2 )	10.00 ( 2 )
COMMON(HA):TALC CAS:14807-96-6 CHEMICAL: SILICIC ACID,MAGNESIUM SA LT (1:1)	15X	NOT EST	10.00 ( 2 )	20.00 ( 3 )
COMMON(HA):TITANIUM DIOXIDE CAS:13463-67-7 CHEMICAL: TITANIUM DIOXIDE	15X	NOT EST	10.00 ( 2 )	15.00 ( 2 )

( 1 ) = PPM  
( 2 ) = MG CU M  
( 3 ) = MPPCF

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 4.80  
SPECIFIC GRAVITY: 1.08  
PERCENT VOLATILE BY VOLUME: 78.21  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.90  
UPPER EXPLOSIVE LIMIT : 6.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-

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\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
IRRITATION.  
PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
SILICON DIOXIDE CARBON DIOXIDE/MONOXIDE METAL OXIDES

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:  
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

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AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:  
REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH  
POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH  
OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS  
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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PARTICULAR PURPOSE. RECEIPT OF PRODUCTS FROM VALSPAR CONSTITUTES ACCEPTANCE OF  
THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
ING. IN THE EVENT THAT VALSPAR FINDS THAT THE PRODUCTS DELIVERED ARE  
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PRODUCTS OR REFUND THE PURCHASE PRICE THEREOF, AND VALSPARS CHOICE OF ONE OF  
THESE REMEDIES SHALL BE BUYERS SOLE REMEDY. VALSPAR WILL UNDER NO CIRCUM-  
STANCES BE LIABLE FOR CONSEQUENTIAL DAMAGES, EXCEPT INsofar AS A LIABILITY IS  
MANDATED BY LAW. VALSPAR WILL DELIVER PRODUCTS AT AGREED TIMES INsofar AS IT  
IS REASONABLY ABLE TO DO SO, BUT VALSPAR SHALL NOT BE LIABLE FOR FAILURE TO  
DELIVER ON TIME WHEN THE FAILURE IS BEYOND ITS REASONABLE CONTROL.

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MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT IDENTIFICATION

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6431-44 @SOLID STN/WP REDWO@  
REVISION DATE : 03-10-88

SECTION 2: HAZARDOUS INGREDIENTS

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	85%	NOT EST	100.00	NOT EST ( 1)
COMMON(NA):SILICA CAS:83231-87-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2) ( 2)
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	10%	NOT EST	15.00	10.00 ( 2) ( 2)
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIQROINE	5%	NOT EST	100.00	NOT EST ( 1)

( 1) = PPM  
( 2) = MG CU M

SECTION 3: PHYSICAL DATA

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.93  
PERCENT VOLATILE BY VOLUME: 81.10  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.70  
UPPER EXPLOSIVE LIMIT : 6.50

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-  
PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
IRRITATION.

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MATERIAL SAFETY DATA SHEET

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SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.

DELAYED EFFECTS (CHRONIC):

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

SECTION 6: REACTIVITY DATA

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

SECTION 7: SPILL OR LEAK PROCEDURES

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING  
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.

EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH  
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\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
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UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN;RCM-RECOMMENDED;TLV-THRESHOLD LIMIT VALUES.

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THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
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MATERIAL SAFETY DATA SHEET

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\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5835  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6431-43 @SOLID STN/MP NATL @  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	1	NOT EST	100.00 ( 1)	NOT EST
COMMON(NA):SILICA CAS:83231-87-4 CHEMICAL: SILICA GEL	1X	NOT EST	10.00 ( 2)	10.00 ( 2)
COMMON(NA):TITANIUM DIOXIDE CAS:13463-87-7 CHEMICAL: TITANIUM DIOXIDE	5X	NOT EST	10.00 ( 2)	15.00 ( 2)
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIGROINE	5X	NOT EST	100.00 ( 1)	NOT EST

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.93  
PERCENT VOLATILE BY VOLUME: 80.85  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.70  
UPPER EXPLOSIVE LIMIT : 8.50  
EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-  
PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
IRRITATION.

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\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING  
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
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RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.

EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

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\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*  
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MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAQ CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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V A L S P A R C O R P O R A T I O N  
M A T E R I A L S A F E T Y D A T A S H E E T

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18-6431-40

\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (812) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6431-40 @SOLID STN/WP DARTME  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RCM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	60%	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):SILICA CAS:83231-87-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	5%	NOT EST	15.00	10.00 ( 2 ) ( 2 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIGROINE	5%	NOT EST	100.00	NOT EST ( 1 )

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.94  
PERCENT VOLATILE BY VOLUME: 80.40  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODDOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.80  
UPPER EXPLOSIVE LIMIT : 6.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-  
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V A L S P A R C O R P O R A T I O N  
M A T E R I A L S A F E T Y D A T A S H E E T

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\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
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NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
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INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:  
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:  
WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING  
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:  
REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH  
POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH  
OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS  
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

\*\*\*\*\* DISCLAIMER SECTION \*\*\*\*\*

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REPRESENTATION BY VALSPAR THAT ANY PRODUCT OR PROCESS IS FREE FROM PATENT  
INFRINGEMENT CLAIMS OF ANY THIRD PARTY OR DOES IT CONSTITUTE THE GRANTING OF A  
LICENSE UNDER ANY PATENT OF VALSPAR OR ANY THIRD PARTY. VALSPAR ASSUMES NO  
LIABILITY FOR ANY INFRINGEMENT WHICH MAY ARISE OUT OF THE USE OF THE PRODUCT.  
VALSPAR WARRANTS THAT ITS PRODUCTS MEET THE SPECIFICATIONS WHICH IT SETS FOR  
THEM. VALSPAR DISCLAIMS ALL OTHER WARRANTIES RELATING TO THE PRODUCTS, AND  
DISCLAIMS ALL WARRANTIES RELATING TO THEIR APPLICATION, EXPRESS OR IMPLIED,  
INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
PARTICULAR PURPOSE. RECEIPT OF PRODUCTS FROM VALSPAR CONSTITUTES ACCEPTANCE OF  
THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
ING. IN THE EVENT THAT VALSPAR FINDS THAT THE PRODUCTS DELIVERED ARE  
OFF-SPECIFICATION, VALSPAR WILL, AT ITS SOLE DISCRETION, EITHER REPLACE THE  
PRODUCTS OR REFUND THE PURCHASE PRICE THEREOF, AND VALSPAR'S CHOICE OF ONE OF  
THESE REMEDIES SHALL BE BUYERS SOLE REMEDY. VALSPAR WILL UNDER NO CIRCUM-  
STANCES BE LIABLE FOR CONSEQUENTIAL DAMAGES, EXCEPT INsofar AS A LIABILITY IS  
MANDATED BY LAW. VALSPAR WILL DELIVER PRODUCTS AT AGREED TIMES INsofar AS IT  
IS REASONABLY ABLE TO DO SO, BUT VALSPAR SHALL NOT BE LIABLE FOR FAILURE TO  
DELIVER ON TIME WHEN THE FAILURE IS BEYOND ITS REASONABLE CONTROL.

\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (812) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5835  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6431-12 @SOLID ST & WP MATL@  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	80%	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):SILICA CAS:63231-67-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):TITANIUM DIOXIDE CAS:13463-67-7 CHEMICAL: TITANIUM DIOXIDE	1%	NOT EST	10.00	15.00 ( 2 ) ( 2 )
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	1%	NOT EST	15.00	10.00 ( 2 ) ( 2 )
COMMON(NA):TITANIUM DIOXIDE CAS:13463-67-7 CHEMICAL: TITANIUM DIOXIDE	5%	NOT EST	10.00	15.00 ( 2 ) ( 2 )
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	5%	NOT EST	NOT EST	10.00 ( 2 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIQROINE	5%	NOT EST	100.00	NOT EST ( 1 )

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.94  
PERCENT VOLATILE BY VOLUME: 80.33  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PN DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.70  
UPPER EXPLOSIVE LIMIT : 6.50

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RESPIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.  
PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:  
INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:  
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:  
WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION:  
REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910. 108. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5835  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6431-41 @SOLID STN/WP BEDFOE  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	60%	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):SILICA CAS:63231-67-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	1%	NOT EST	NOT EST	10.00 ( 2 )
COMMON(NA):MINERAL SPIRITS,ODORLESS CAS:64741-65-7 CHEMICAL: NAPHTHA (PETROLEUM),HEAVY ALKYLATE	1%	NOT EST	200.00	NOT EST ( 1 )
COMMON(NA):IRON OXIDE CAS:1317-61-9 CHEMICAL: IRON OXIDE	10%	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIGROINE	5%	NOT EST	100.00	NOT EST ( 1 )

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 88 DEG F: 3.0  
VAPOR DENSITY (AIR = 1.0): 5.60  
SPECIFIC GRAVITY: 0.94  
PERCENT VOLATILE BY VOLUME: 79.78  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 100  
LOWER EXPLOSIVE LIMIT : 0.80  
UPPER EXPLOSIVE LIMIT : 6.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-  
PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
IRRITATION.  
PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.

DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING  
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910.106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

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UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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MATERIAL SAFETY DATA SHEET

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\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6531-61 SEMI SWP DUSK GRAY  
REVISION DATE : 01-05-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	55%	NOT EST	100.00 ( 1 )	NOT EST
COMMON(NA):TALC CAS:14807-96-6 CHEMICAL: SILICIC ACID,MAGNESIUM SA LT (1:1)	5%	NOT EST	10.00 ( 2 )	20.00 ( 3 )
COMMON(NA):TITANIUM DIOXIDE CAS:13463-87-7 CHEMICAL: TITANIUM DIOXIDE	10%	NOT EST	10.00 ( 2 )	15.00 ( 2 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIGROINE	15%	NOT EST	100.00 ( 1 )	NOT EST

( 1 ) = PPM  
( 2 ) = MG CU M  
( 3 ) = MPPCF

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.94  
PERCENT VOLATILE BY VOLUME: 81.24  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.80  
UPPER EXPLOSIVE LIMIT : 6.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-

VALSPAR CORPORATION  
MATERIAL SAFETY DATA SHEET

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\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.  
PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:

SILICON DIOXIDE CARBON DIOXIDE/MONOXIDE METAL OXIDES

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS  
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

\*\*\*\*\* DISCLAIMER SECTION \*\*\*\*\*

THE FURNISHING OF THE INFORMATION CONTAINED HEREIN DOES NOT CONSTITUTE A  
REPRESENTATION BY VALSPAR THAT ANY PRODUCT OR PROCESS IS FREE FROM PATENT  
INFRINGEMENT CLAIMS OF ANY THIRD PARTY OR DOES IT CONSTITUTE THE GRANTING OF A  
LICENSE UNDER ANY PATENT OF VALSPAR OR ANY THIRD PARTY. VALSPAR ASSUMES NO  
LIABILITY FOR ANY INFRINGEMENT WHICH MAY ARISE OUT OF THE USE OF THE PRODUCT.  
VALSPAR WARRANTS THAT ITS PRODUCTS MEET THE SPECIFICATIONS WHICH IT SETS FOR  
THEM. VALSPAR DISCLAIMS ALL OTHER WARRANTIES RELATING TO THE PRODUCTS, AND  
DISCLAIMS ALL WARRANTIES RELATING TO THEIR APPLICATION, EXPRESS OR IMPLIED,  
INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
PARTICULAR PURPOSE. RECEIPT OF PRODUCTS FROM VALSPAR CONSTITUTES ACCEPTANCE OF  
THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
ING. IN THE EVENT THAT VALSPAR FINDS THAT THE PRODUCTS DELIVERED ARE  
OFF-SPECIFICATION, VALSPAR WILL, AT ITS SOLE DISCRETION, EITHER REPLACE THE  
PRODUCTS OR REFUND THE PURCHASE PRICE THEREOF, AND VALSPAR'S CHOICE OF ONE OF  
THESE REMEDIES SHALL BE BUYERS SOLE REMEDY. VALSPAR WILL UNDER NO CIRCUM-  
STANCES BE LIABLE FOR CONSEQUENTIAL DAMAGES, EXCEPT INsofar AS A LIABILITY IS  
MANDATED BY LAW. VALSPAR WILL DELIVER PRODUCTS AT AGREED TIMES INsofar AS IT  
IS REASONABLY ABLE TO DO SO, BUT VALSPAR SHALL NOT BE LIABLE FOR FAILURE TO  
DELIVER ON TIME WHEN THE FAILURE IS BEYOND ITS REASONABLE CONTROL.

\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFG TELEPHONE NUMBER : (612) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 8431-11 @SOLID STN/WP YORKT@  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECH LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	65%	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):SILICA CAS:63231-87-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):IRON OXIDE CAS:1317-61-9 CHEMICAL: IRON OXIDE	10%	NOT EST	10.00	10.00 ( 2 ) ( 2 )
COMMON(NA):IRON OXIDE CAS:1309-37-1 CHEMICAL: IRON OXIDE	5%	NOT EST	15.00	10.00 ( 2 ) ( 2 )
COMMON(NA):NAPHTHA CAS:8032-32-4 CHEMICAL: LIGROINE	5%	NOT EST	100.00	NOT EST ( 1 )

( 1 ) = PPM  
( 2 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 5.48  
SPECIFIC GRAVITY: 0.92  
PERCENT VOLATILE BY VOLUME: 81.08  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.80  
UPPER EXPLOSIVE LIMIT : 8.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:  
FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:  
CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:  
IMMEDIATE EFFECTS (ACUTE):

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*

HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RESPIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.  
PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.

DELAYED EFFECTS (CHRONIC):  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.  
EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.



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\*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
MFO TELEPHONE NUMBER : (812) 332-7371  
24 HR EMERGENCY PHONE NO : 1-800-228-5835  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6431-02 @SOLID ST & WP TINT@  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	85%	NOT EST	100.00	NOT EST ( 1 )
COMMON(NA):CALCINED DIATOMACEOUS EARTH CAS:68855-54-9 CHEMICAL: KIESELOHR, SODA ASH FLUX -CALCINED	5%	NOT EST	1.90	NOT EST ( 2 )
COMMON(NA):SILICA CAS:83231-87-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 3 ) ( 3 )
COMMON(NA):IRON OXIDE CAS:12713-03-0 CHEMICAL: UMBER	5%	NOT EST	NOT EST	10.00 ( 3 )

( 1 ) = PPM  
( 2 ) = UNITS NA  
( 3 ) = MG CU M

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 4.80  
SPECIFIC GRAVITY: 0.92  
PERCENT VOLATILE BY VOLUME: 75.07  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.90  
UPPER EXPLOSIVE LIMIT : 6.90

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-

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\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.

PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.

DELAYED EFFECTS (CHRONIC):

PROLONGED EXPOSURE TO RESPIRABLE CRYSTALLINE QUARTZ MAY CAUSE DELAYED  
(CHRONIC) LUNG INJURY (SILICOSIS)

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM  
DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY  
RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS  
STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED  
BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL,  
STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING  
AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW  
APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR  
RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE  
EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.

EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH  
POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH  
OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS  
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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VALSPAR WARRANTS THAT ITS PRODUCTS MEET THE SPECIFICATIONS WHICH IT SETS FOR  
THEM. VALSPAR DISCLAIMS ALL OTHER WARRANTIES RELATING TO THE PRODUCTS, AND  
DISCLAIMS ALL WARRANTIES RELATING TO THEIR APPLICATION, EXPRESS OR IMPLIED,  
INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
PARTICULAR PURPOSE. RECEIPT OF PRODUCTS FROM VALSPAR CONSTITUTES ACCEPTANCE OF  
THE TERMS OF THIS WARRANTY, CONTRARY PROVISIONS OF PURCHASE ORDERS NONWITHSTAND  
ING. IN THE EVENT THAT VALSPAR FINDS THAT THE PRODUCTS DELIVERED ARE  
OFF-SPECIFICATION, VALSPAR WILL, AT ITS SOLE DISCRETION, EITHER REPLACE THE  
PRODUCTS OR REFUND THE PURCHASE PRICE THEREOF, AND VALSPAR'S CHOICE OF ONE OF  
THESE REMEDIES SHALL BE BUYERS SOLE REMEDY. VALSPAR WILL UNDER NO CIRCUM-  
STANCES BE LIABLE FOR CONSEQUENTIAL DAMAGES, EXCEPT INsofar AS A LIABILITY IS  
MANDATED BY LAW. VALSPAR WILL DELIVER PRODUCTS AT AGREED TIMES INsofar AS IT  
IS REASONABLY ABLE TO DO SO, BUT VALSPAR SHALL NOT BE LIABLE FOR FAILURE TO  
DELIVER ON TIME WHEN THE FAILURE IS BEYOND ITS REASONABLE CONTROL.

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24 HR EMERGENCY PHONE NO : 1-800-228-5635  
CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
FORMULA : NOT APPLICABLE  
TRADE NAME : 18 6431-01 @SOLID ST WP TINT B@  
REVISION DATE : 03-10-88

\*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %	RECM LEVEL	TLV	PEL
COMMON(NA):EXEMPT MINERAL SPIRITS CAS:8032-32-4 CHEMICAL: NAPHTHA	65%	NOT EST	100.00	NOT EST ( 1)
COMMON(NA):SILICON DIOXIDE CAS:14808-60-7 CHEMICAL: QUARTZ	1%	NOT EST	10.00	10.00 ( 2) ( 2)
COMMON(NA):CALCINED DIATOMACEOUS EARTH CAS:88855-54-9 CHEMICAL: KIESELGUHR, SODA ASH FLUX -CALCINED	5%	NOT EST	1.90	NOT EST ( 3)
COMMON(NA):SILICA CAS:63231-87-4 CHEMICAL: SILICA GEL	1%	NOT EST	10.00	10.00 ( 2) ( 2)

( 1) = PPM  
( 2) = MG CU M  
( 3) = UNITS MA

\*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 319 DEG F.  
VAPOR PRESSURE MM HG AT 100 DEG F: 1.5  
VAPOR DENSITY (AIR = 1.0): 4.80  
SPECIFIC GRAVITY: 0.92  
PERCENT VOLATILE BY VOLUME: 75.14  
EVAPORATION RATE (BUTYL ACETATE = 1): .09  
SOLUBILITY IN WATER: NO  
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

\*\*\*\*\* SECTION 4: FIRE AND EXPLOSION HAZARD \*\*\*\*\*

FLASH POINT TCC/PM DEG F : 105  
LOWER EXPLOSIVE LIMIT : 0.90  
UPPER EXPLOSIVE LIMIT : 6.90

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.  
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

CONTAINS OXIDIZING MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE UNDER WATER IN CLOSED METAL  
CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):  
HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RES-

\*\*\*\*\* SECTION 5: HEALTH HAZARD DATA \*\*\*\*\*CONTINUED\*\*\*\*\*

PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.  
PROLONGED INHALATION OF DUSTS MAY RESULT IN SHORTNESS OF BREATH  
OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION.  
DELAYED EFFECTS (CHRONIC):  
PROLONGED EXPOSURE TO RESPIRABLE CRYSTALLINE QUARTZ MAY CAUSE DELAYED (CHRONIC) LUNG INJURY (SILICOSIS)  
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE PERSON FROM EXPOSURE AREA. IF BREATHING HAS STOPPED, USE MOUTH-TO-MOUTH RESUSCITATION AND GET MEDICAL ATTENTION.  
EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.  
SKIN CONTACT: WASH WITH SOAP AND WATER.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

\*\*\*\*\* SECTION 6: REACTIVITY DATA \*\*\*\*\*

THIS PRODUCT IS STABLE  
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: NA

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON DIOXIDE/MONOXIDE

HAZARDOUS POLYMERIZATION: NONE

\*\*\*\*\* SECTION 7: SPILL OR LEAK PROCEDURES \*\*\*\*\*

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA.  
WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:

DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

\*\*\*\*\* SECTION 8: SPECIAL PROTECTION INFORMATION \*\*\*\*\*

RESPIRATORY PROTECTION:

WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION:

REQUIRED FOR SPRAYING OR IN A CONFINED AREA. VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF.

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.

EYE PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.  
OTHER PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*  
INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR  
NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS  
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;  
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;  
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS  
MPPCF-MILLIONS OF PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH  
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL  
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;  
PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;  
TCC/PM-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

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