

MSDS **Material Safety Data Sheet**

THE PENRAY COMPANIES, INC.

Penray Battery Protector-7011

MSDS Number: 7011 PAL

Revision Date: 12/21/2009

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

The Penray Companies Inc.
440 Denniston Court

Wheeling, IL 60090

Contact: EHS Department
Telephone Number: 847-459-5041
FAX Number: 847-459-5043
E-Mail:
Web penray.com

Product Name: Penray Battery Protector-7011
Revision Date: 12/21/2009
Version: 1
MSDS Number: 7011 PAL
Common Name: Aerosol Battery Protector Containing Organic Solvents
RCRA Number: D001
Product Use: Aerosol Battery Protector in a pressurized can with flammable propellant

EMERGENCY CONTACT TELEPHONE NUMBERS 24hrs/7

Adverse Medical: 1-800-752-7869 (24hr poison control call center)

Transport Response:

CHEMTREC 1-800-424-9300. CHEMTREC International 703-527-3887 (collect)
CANUTEC (Canada only) 613-996-666, or *666 on cellular phone

2 HAZARDS IDENTIFICATION

Route of Entry: Ingestion; inhalation; Skin; Eyes
Target Organs: Not given
Inhalation: Respiratory tract irritation may occur with exposure to a certain amount of material.
Skin Contact: Will irritate skin. May exacerbate pre-existing skin conditions i.e dermatitis.
Eye Contact: Will cause irritation, redness, tearing and blurred vision, upon direct contact.
May cause permanent damage if left untreated.
Ingestion: Ingestion is not applicable route of entry for intended use.
Product will cause discomfort, nausea, vomiting, and diarrhea and will be harmful or fatal.

HMIS II-ratings (scale 0-4): Health = 3, Fire = 4, Reactivity = 0

HMIS® Rating H3/F4/PH0

NFPA-ratings (scale 0-4): Health = 3, Fire = 4, Reactivity = 0

Signal word: DANGER

HAZARD OVERVIEW: Severe eye irritant. Skin irritant. May worsen pre-existing skin conditions. Extremely flammable aerosol.

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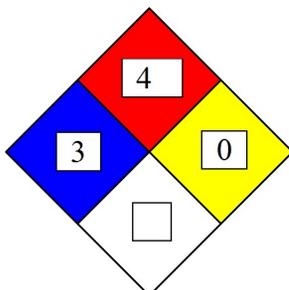
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HEALTH	3
FLAMMABILITY	4
REACTIVITY	0
PPE	X



Prolonged unprotected exposure to this product will cause skin irritation. Material splashed in eyes may damage tissues.

Carcinogen listing by: National Toxicology Program (NTP)

I.A.R.C (NO)

OSHA (NO)

ACGIH (NO)

This product does NOT require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

When burned, the product will produce carbon monoxide and other asphyxiates during combustion.

CANADA WHMIS classification: CONTROLLED PRODUCT

D2B- Toxic material causing other effects

B5- Flammable aerosol



NOT INTENDED FOR HOUSEHOLD USE!

THE INFORMATION IN THE MATERIAL SAFETY DATA SHEET (MSDS) SHALL BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THE PENRAY COMPANIES INC. ENCOURAGES AND EXPECTS THE USER, DISTRIBUTOR, HANDLER TO READ THE ENTIRE MSDS, AND CONSULT APPROPRIATE EXPERTISE AS NECESSARY, TO BECOME AWARE OF AND FULLY UNDERSTAND THE INFORMATION CONTAINED IN THE MSDS AND OF ANY OCCUPATIONAL HAZARDS ASSOCIATED WITH THIS PRODUCT USE IN THE WORKPLACE.

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COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT MATERIALS CONSIDERED HAZARDOUS PER FEDERAL, STATE OR PROVINCIAL OCCUPATIONAL HEALTH, AND REGULATORY BODIES

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Ingredients:

Chemical name	CAS #	Percentage
TOLUENE	108-88-3	30.0-60.0%
ACETONE	67-64-1	10.0-30.0%
PROPANE	74-98-6	10.0-30.0%
N-BUTANE	160-97-8	10.0-30.0%
METHYL ETHYL KETONE	78-93-3	1.0-5.0%

OSHA Regulatory Status:

This MSDS Contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

4 FIRST AID MEASURES

Inhalation:	Vapours will be present at normal working temperature. If overcome by vapours remove to fresh air, If not breathing give artificial respiration. Seek emergency medical attention.
Skin Contact:	Wash with soap and water. Seek medical attention if irritation persists.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Seek medical attention
Ingestion:	Dilute with copious amounts of fluid (e.g. water, milk, juice, etc.). Do NOT induce vomiting. Seek emergency medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:	< 20 degrees F
Flash Point Method:	TCC
Burning Rate:	Not available
Autoignition Temperature:	Not available
LEL:	Not available
UEL:	Not available
Flammability Classification:	Category 1, extremely flammable aerosol mixture

Dry powder, foam, carbon dioxide.

6 ACCIDENTAL RELEASE MEASURES

Release Measures:

Extinguish any open flames and remove heat sources.

CONTAIN, ABSORB, CONTROL THE SPILLAGE WITH THE SAFEST MOST EFFECTIVE MEANS AT YOUR DISPOSAL.

This material will NOT float on water and will be transported by stormwater runoff. Soils to the ground should be immobilized and removed immediately. Spills to watercourse such as storm drains, sewers, ditches, streams.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

* Information about ingredient percentages of product, according to RQ

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(Reportable Quantity), :Available upon request in the event of major uncontrolled release.

7 HANDLING AND STORAGE

Handling Precautions:

Handle with care and avoid spillage on the floor (slippage).
Consider normal working hygiene.

DO NOT SMOKE WHILE IN USE!
Do not expose containers to open flame, excessive heat, or direct sunlight.

STATIC ACCUMULATOR AND IGNITION POTENTIAL.

Storage Requirements:

DO NOT WEAR CONTACT LENSES WHILE IN USE!
Store in cool/dry area;
Suitable packing materials
Store in areas designated for the storage of materials according to NFPA 30B (Flammable Aerosols Code)

EMPTY CONTAINER WARNING!
"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH

Do not attempt to refill or clean containers since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner in accordance with governmental regulations.

For work on tanks, refer to OSHA regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or contemplated operations.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Use mechanical (general) ventilation for storage areas. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94) and NFPA 30 B standards.

Protective Equipment:

HMIS PP, Sealed monogoggles, Gloves such as Butyl rubber or Neoprene, NIOSH approved and N95 rated OV respirator if misting of product occurs.
X | Consult your supervisor for special instructions

If there is likelihood of splashing, chemical impervious clothing should be worn. Never wear oil chemical clothing. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard)

Exposure Guidelines/Other:

Component Exposure Limits: OSHA permissible exposure limit:

Toluene - 200 ppm (inhalation)
Methyl Ethyl Ketone- 590 mg/m³ (inhalation)
Propane- 1,800 mg/m³ (inhalation)

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USA OSHA (TWA₅)/PEL): See above
ACGIH (TWA/TLV): consult NIOSH pocket guide

Respiratory Protection: X- consult supervisor
Ventilation: X- consult supervisor
Protective Gloves: X- consult supervisor
Eye Protection: X- consult supervisor
Other Protective Equipment: X- consult supervisor

Note: PERSONAL PROTECTIVE EQUIPMENT (ppe) REQUIREMENTS ARE RELATED TO CONDITIONS OF USE, WHICH CANNOT BE SUITABLY PREDICTED BY THE PRODUCT MANUFACTURER. DETERMINATION OF NECESSARY (ppe) IS THE RESPONSIBILITY OF THE EMPLOYER/ USER, BASED ON ASSESSMENT AND KNOWLEDGE OF THE EMPLOYER'S INDUSTRIAL PROCESSES AND WORKPLACE ENVIRONMENT. IN EVERY CIRCUMSTANCE OF CHEMICAL EXPOSURE, THE EMPLOYER SHALL LIMIT WORKER EXPOSURES TO THIS PRODUCT FIRST BY IMPLEMENTING EFFECTIVE ENGINEERING CONTROLS, AND SECOND BY IMPLEMENTING ADMINISTRATIVE CONTROLS. PERSONAL PROTECTIVE EQUIPMENT (ppe) SHALL BE USED DILIGENTLY BY WORKERS WHEN ENGINEERING AND ADMINISTRATIVE CONTROLS DO NOT FULLY PREVENT CHEMICAL EXPOSURE TO THIS PRODUCT.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Opaque		
Physical State:	Liquid	Boiling Point:	> 212 degrees F
Odor:	Solvent odor	Freezing/Melting Pt.:	NA
pH:	10	Solubility:	Complete
Vapor Pressure:	N/A	Spec Grav./Density:	>1.0
Vapor Density:	> 5 (Air =1)		
Heat Value:	N/A		
VOC:	100%		
Evap. Rate:	slower than Butyl acetate		
Bulk Density:	N/A		
Octanol:	N/A		
Molecular Weight:	NA		
Particle Size:	N/A		
Softening Point:	N/A		
Viscosity:	N/A		
Percent Volatile:	N/A		
Sat. Vap. Concentrat.:	N/A		
Molecular Formula:	N/A		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to avoid:	Extreme heat, freezing temperatures
Materials to avoid (incompatibility):	All oxidizers, Acids. Peroxides

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Hazardous Decomposition products: Combustion will produce carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

IMMEDIATE (ACUTE) EFFECTS:

ACUTE STUDIES : High order, pulmonary effects as irritant. Severe Eye/ skin irritant

ACUTE SKIN: Prolonged skin contact tends to remove skins oils, leading to irritation and dermatitis, however, based on human experience and available toxicological data, this product is not judged to be "corrosive" by OSHA criteria.

EYE EFFECTS: Product contacting eyes will cause severe irritation, and permanent damage and or scarring to cornea if left untreated.

ACUTE ORAL : Product has a high order of acute toxicity, amounts aspirated into the lungs during ingestion or vomiting will cause mild to severe pulmonary injury.

ACUTE INHALATION: Product has a moderate order of acute toxicity, but amounts aspirated into the lungs during ingestion or vomiting may cause pulmonary injury

Carcinogeny-NTP/IARC: There is no available evidence known, to state that this chemical product poses a carcinogenic risk in humans under normal conditions of handling and industrial use.

Specific L/D 50 data about product: NOT AVAILABLE

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS

If applied to leaves, this product may kill grass and small plants by interfering with transpiration and respiration. This product may be toxic to fish and will affect gill structures resulting in suffocation if spilled in shallow, stagnate water. Product may be toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

ENVIRONMENTAL FATE

This product is somewhat biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70 degrees F.

IN GENERAL, PRODUCT DEMONSTRATES HIGH WATER SOLUBILITY

WHEN EXPOSED TO THE NATURAL ENVIRONMENT.

Specific L/C 50 data in aquatic environments, about product: NOT AVAILABLE

13 DISPOSAL CONSIDERATIONS

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DISPOSAL

Product, as supplied DOES meet the characteristics of a hazardous waste as defined in 40 CFR 261.21-24. If mixed with other products, waste mixture must be characterized. DO NOT dispose of this product in drains or storm sewers. DO NOT dispose of this product in a landfill.

Dispose of in accordance with local regulations at a suitable waste-disposal site approved by local, state/ provincial authorities.

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TRANSPORT INFORMATION

DOT:ORM-D, Consumer Commodity, Flammable Aerosol,(Fp < 20 F) tcc (Ground transport in U.S.A only)

TDG:UN 1950, Flammable Aerosol n.o.s, (contains petro-gas, liquified) class 2, PG I, (Fp <20 F) tcc

IATA: UN 1950 Flammable Aerosol n.o.s (contains petro-gas, liquified) class 2, PG I, (Fp <20 F) tcc (**FORBIDDEN ON PASSENGER AIRCRAFT**)

IMDG: UN 1950, Flammable Aerosol n.o.s (contains petro-gas, liquified) class 2, PG I, (Fp <20 F) tcc Limited Quantities, EmS F-E, S-D. Category B

ADR: UN 1950, Flammable Aerosol n.o.s,(contains petro-gas, liquified) class 2, PG I, (Fp <20 F) tcc

THIS SECTION IS PROVIDED FOR GENERAL INFORMATION ONLY. THE SHIPPING DESCRIPTION ABOVE MAY NOT REPRESENT REQUIREMENTS FOR ALL MODES OF TRANSPORTATION, PACKAGING, SHIPPING METHODS, OR LOCATIONS OUTSIDE OF THE GEOGRAPHIC BOUNDARIES OF THE U.S.A.

Other party shipper: For more complete transportation regulatory information; please refer to the appropriate dangerous goods code of regulations, in order to complete necessary shipping documents.

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REGULATORY INFORMATION

COMPLIANCE * Information about product ingredient percentages: available upon request

U.S. FEDERAL REGULATORY INFORMATION (SARA/ EPCRA Title III, 42 U.S.C 11001)
Chemicals in this product are subject to the reporting requirements EPCRA.

EPCRA section 301-303- Threshold Planning Quantity: Y
EPCRA section 304 -Reportable Quantity: Y
EPCRA section 311
Categories: Immediate (Acute Health effects)- Y
Delayed Chronic effects- N
Fire Hazard-Y
Sudden Release of pressure-Y
Reactivity Hazard-N
EPCRA section 312- Threshold Planning Quantity: Y
EPCRA section 313- Y

USEPA/ TSCA Inventory: The components of this product are listed on the USEPA/TSCA (Toxic Substances Control Act) inventory of chemicals, 15 U.S.C. 2601.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA 42 U.S.C 9601):
Chemicals in this product are subject to the reporting requirements CERCLA section 103

OSHA Hazard Communication Standard: This product has been evaluated and determined to be hazardous as defined in OSHA's Hazard Communication Standard.

STATE and COMMUNITY Right-To-Know regulations (RTK);
LA,CA,NJ,PA,MA,FL,MI,IL,RI,ME,ID,MN,DE
Components Listed in sec 3- Yes

Extremely, Extraordinarily, and Special Hazardous Substance- NJ,MA,PA,NY,WA,WV,WI
Components Listed in sec 3- Yes

CALIFORNIA PROPOSITION 65: This product DOES contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm: Toluene

CANADIAN REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR) and the MSDS contains all the information required by the Controlled Products Regulations.

This products contents are listed on the Canadian Domestic Substances List (DSL)

THE INFORMATION PROVIDED HEREIN THIS SECTION MAY NOT INCLUDE THE IMPACT OF ADDITIONAL REGULATORY REQUIREMENTS (e.g., for materials meeting the definition of hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants (MARPOL) under CWA or similar federal, state, provincial or laws regulations, within or outside the geographic boundaries of the U.S.A.

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OTHER INFORMATION

STATEMENTS DENOTED BELOW THIS TYPE SCRIPT ARE MEANT AS DISCLAIMER*****

ACKNOWLEDGEMENT UPON PURCHASE

USERS RESPONSIBILITY; THIS MSDS IS INTENDED TO MEET THE SPECIFIC REQUIREMENTS OF 29 CFR1910.1200 (U.S.A), HAZARDOUS PRODUCTS ACT AND CONTROLLED PRODUCTS REGULATIONS (CANADA), NOM 018 STPS 2000 (MEXICO), AND ANSIZ400.1-200, AND SHOULD BE USED ACCORDINGLY. WHILE THE INFORMATION HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE AND RELIABLE, NO WARRANTY, EXPRESSED OR IMPLIED, CAN BE MADE WITH REGARD TO ITS ACCURACY, COMPLETENESS OR CORRECTNESS. THIS MSDS IS OFFERED INTO THE WORKPLACE FOR YOUR CONSIDERATION, INVESTIGATION AND CONCLUSIONS DRAWN HEREIN FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE PRODUCT. SINCE CONDITIONS NECESSARY FOR THE SAFE USE OF THE PRODUCT ARE NOT UNDER CONTROL OF THE MANUFACTURER, IT IS THE BUYERS, DISTRIBUTORS AND USERS LEGAL RESPONSIBILITY TO DETERMINE THE CONDITIONS NECESSARY FOR THE SAFE USE OF THE CHEMICAL PRODUCT. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE LEGAL RESPONSIBILITY OF THE BUYERS, DISTRIBUTORS, USERS OF THIS PRODUCT. ANY USERS, DISTRIBUTORS, HANDLERS OF THIS PRODUCT WHO ARE NOT UNDER THE DIRECT, LEGALLY DEFINED CONTROL OF THE PENRAY COMPANIES INC., ARE RESPONSIBLE FOR EVALUATING THIS INFORMATION IN LIGHT OF THE PARTICULAR WORKPLACE ENVIRONMENT, AND ARE RESPONSIBLE FOR ALL LOSSES, DAMAGES OR EXPENSES THAT RESULT WHILE THIS PRODUCT IS UNDER THEIR CONTROL. IT IS ALSO THE RESPONSIBILITY OF THE USERS, DISTRIBUTORS, HANDLERS OF THIS PRODUCT TO OBSERVE ANY AND ALL LAWS AND REGULATIONS (FEDERAL, STATE, PROVINCIAL, AND LOCAL) CONCERNING THE TRANSPORTATION, USE, HANDLING, STORAGE, AND DISPOSAL OF THIS PRODUCT.

Physicians, Toxicologists,

*A full disclosure MSDS is available upon request for valid health and environmental emergency incidents only, by contacting (847) 459-5041 during regular business hours.

Prepared by: (GAW) EHS Department, The Penray Companies Inc. Wheeling, IL. U.S.A

END OF MSDS.

END OF MSDS DOCUMENT