

# Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

## 1. Product Identification

**Product Information:** 1000039933

**Product Identifier:** PENRAY 7011 BATTERY PROTECTOR

**Recommended Use:** Coating

**Manufacturer/Importer/Distributor Information:** PLZ CORP  
2651 WARRENVILLE RD, STE 300  
DOWNERS GROVE, IL 60515  
US  
800-332-9000

**Emergency Telephone:** 866-836-8855

## 2. Hazard(s) identification

### Classification

Flammable Aerosol, category 1  
Aspiration Hazard, category 1  
Skin Irritation, category 2  
Eye Irritation, category 2A  
STOT, single exposure, category 3, NE  
Reproductive Toxicity, category 2  
STOT, repeated exposure, category 2

### Label elements

#### HAZARD PICTOGRAMS



#### SIGNAL WORD

Danger

#### GHS HAZARD STATEMENTS

H222 Extremely flammable aerosol.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.

#### GHS PRECAUTIONARY STATEMENTS

**Prevention**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P203 Obtain, read and follow all safety instructions before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P260 Do not breathe fumes, mists, vapours or spray.
- P264+P265 Wash hands thoroughly after handling. Do not touch eyes.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves, eye protection, face protection, and protective clothing

**Response**

- P301+P316 IF SWALLOWED: Get emergency medical help immediately.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P318 IF exposed or concerned, get medical help.
- P319 Get medical help if you feel unwell.
- P331 Do NOT induce vomiting.
- P332+P317 If skin irritation occurs: Get medical help.
- P337+P317 If eye irritation persists: Get medical help.
- P362+P364 Take off contaminated clothing and wash it before reuse.

**Storage**

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

**Disposal**

- P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other Information**

None

**3. Composition/Information on Ingredients**

**Mixtures**

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Content in Percent (%)*</u>
Propane	74-98-6	10-25
Methyl Acetate	79-20-9	10-25
Isobutyl Acetate	110-19-0	10-25
Toluene	108-88-3	10-25
Ethyl Acetate	141-78-6	2.5-10
Butane	106-97-8	2.5-10
Acetone	67-64-1	2.5-10
Methanol	67-56-1	0.1-1.0

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition Comments:** Other components are not hazardous or are below required disclosure limits.  
The exact concentration has been withheld as a trade secret.

**4. First-aid Measures**

**SKIN CONTACT:** Remove contaminated clothing and wash the skin thoroughly with soap and water after work.  
**EYE CONTACT:** Rinse immediately with plenty of water.  
**INHALATION:** Move to fresh air.  
**INGESTION:** Rinse mouth.  
**IMPORTANT SYMPTOMS:** No data available  
**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:** Get medical attention if symptoms occur.

**5. Fire-fighting Measures**

**EXTINGUISHING MEDIA:** Use fire-extinguishing media appropriate for surrounding materials.  
**UNSUITABLE EXTINGUISHING MEDIA:** Do not use water jet as an extinguisher, as this will spread the fire.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No data available  
**SPECIAL FIREFIGHTING PROCEDURES:** No data available

**6. Accidental Release Measures**

**PERSONAL PRECAUTIONS :** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.  
**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.  
**ENVIRONMENTAL PRECAUTIONS:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

**7. Handling and Storage**

**HANDLING:** Keep away from sources of ignition - No smoking. Keep away from open flames, hot surfaces and sources of ignition. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.  
**SAFE HANDLING ADVICE:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.  
**STORAGE:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
**NFPA 30B:** Aerosol Level 3

**8. Exposure Controls/Personal Protection**

**Ingredients with Occupational Exposure Limits**

<u>Chemical Name</u>	<u>TLV-TWA</u>	<u>TLV-STEL</u>	<u>PEL-TWA</u>	<u>PEL-CEILING</u>
Propane	N.E.	N.E.	1000 ppm	N.E.
Methyl Acetate	200 ppm	250 ppm	200 ppm	N.E.
Isobutyl Acetate	50 ppm	150 ppm	150 ppm	N.E.
Toluene	20 ppm	N.E.	200 ppm	300 ppm
Ethyl Acetate	400 ppm	N.E.	400 ppm	N.E.
Butane	N.E.	1000 ppm	N.E.	N.E.
Acetone	250 ppm	500 ppm	1000 ppm	N.E.

Methanol	200 ppm	250 ppm	200 ppm	N.E.
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**Further Advice:** MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation  
Sk = Skin Sensitizer N.E. = Not Established

**ENGINEERING CONTROLS:** No data available.

**Personal Protection**

**EYE/FACE PROTECTION:** Wear goggles/face shield.

**SKIN PROTECTION:** No data available

**RESPIRATORY PROTECTION:** Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

**HYGIENIC PRACTICES:** When using do not smoke. Observe good industrial hygiene practices.

## 9. Physical and Chemical Properties

**Appearance:**

<b>Physical State:</b>	Liquid
<b>Form:</b>	Spray Aerosol
<b>Color:</b>	No data available
<b>Odor:</b>	No data available
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Freeze Point, °C:</b>	No data available
<b>Boiling Point, °C:</b>	7
<b>Flash Point, °C:</b>	-104
<b>Flammability (solid, gas):</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Combustibility:</b>	Supports Combustion
<b>Explosive Limits, %:</b>	1.1 - 16.0
<b>Vapor Pressure @20°C, PSI:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Solubility in Water:</b>	No data available
<b>Partition Coefficient, n-octanol/water:</b>	No data available
<b>Auto-Ignition Temperature, °C:</b>	No data available
<b>Decomposition temperature, °C:</b>	No data available
<b>Kinematic Viscosity:</b>	No data available

## 10. Stability and Reactivity

**REACTIVITY:** No data available.

**STABILITY:** Material is stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** No data available.

**CONDITIONS TO AVOID:** Avoid heat or contamination

**INCOMPATIBILITY:** No data available

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data available.

## 11. Toxicological Information

### Information on Likely Routes of Exposure

**IMPORTANT SYMPTOMS:** No data available

**SKIN CONTACT EFFECTS:** May cause irritation on prolonged or repeated contact.

**EYE CONTACT EFFECTS:** May cause slight irritation with tearing.

**INHALATION EFFECTS:** Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

**INGESTION EFFECTS:** Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

**CHRONIC HAZARDS:** No data available

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

<b>ATE ORAL</b>	12,649 mg/kg
<b>ATE DERMAL</b>	5,839 mg/kg
<b>ATE INHALATION</b>	Not classified for acute toxicity based on available data.

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
74-98-6	Propane	5,000 mg/kg	5,000 mg/kg	100 mg/l
79-20-9	Methyl Acetate	6,482 mg/kg	2,000 mg/kg	49.0 mg/L Rat
110-19-0	Isobutyl Acetate	13,413 mg/kg	17,400 mg/kg	100 mg/l
108-88-3	Toluene	5,580 mg/kg	5,000 mg/kg	28.1 mg/l
141-78-6	Ethyl Acetate	4,934 mg/kg	20,000 mg/kg	100 mg/l
106-97-8	Butane	5000 mg/kg	5000 mg/kg	658 mg/L Rat
67-64-1	Acetone	5,800 mg/kg	7,426 mg/kg	50.1 mg/l
67-56-1	Methanol	100 mg/kg	500 mg/kg	3 mg/l

N.I. = No Information

### Skin Corrosion & Irritation:

<b>Product:</b>		No data available
<b>Components:</b>		
Toluene	108-88-3	Causes skin irritation.

### Serious Eye Damage & Irritation:

<b>Product:</b>		No data available
<b>Components:</b>		
Ethyl Acetate	141-78-6	Causes serious eye irritation.
Methyl Acetate	79-20-9	Causes serious eye irritation.
Acetone	67-64-1	Causes serious eye irritation.

### Respiratory or Skin Sensitization:

<b>Product:</b>	No data available
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**STOT-Single Exposure:**

<b>Product:</b>		No data available
<b>Components:</b>		
Toluene	108-88-3	May cause drowsiness or dizziness.
Ethyl Acetate	141-78-6	May cause drowsiness or dizziness.
Methyl Acetate	79-20-9	May cause drowsiness or dizziness.
Acetone	67-64-1	May cause drowsiness or dizziness.

**STOT-Repeated Exposure:**

<b>Product:</b>		No data available
<b>Components:</b>		
Toluene	108-88-3	May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:**

<b>Product:</b>		No data available
<b>Components:</b>		
Toluene	108-88-3	May be fatal if swallowed and enters airways.

**Carcinogenicity:**

<b>Product:</b>		No data available
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**Reproductive Toxicity:**

<b>Product:</b>		No data available
<b>Components:</b>		
Toluene	108-88-3	Suspected of damaging fertility or the unborn child.

**Germ Cell Mutagenicity:**

<b>Product:</b>		No data available
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**12. Ecological Information**

**ECOLOGICAL INFORMATION:** No data available

**PERSISTENCE:** No data available

**BIOACCUMULATE:** No data available

**MOBILITY IN SOIL:** No data available

**OTHER ECOLOGICAL:** No data available

**13. Disposal Information**

**DISPOSAL INFORMATION:** Consult with your local, regional and federal agencies for information on proper disposal.

**CONTAMINATED PACKAGING :** Consult with your local, regional and federal agencies for information on proper disposal.

**14. Transport Information**

**SPECIAL TRANSPORT PRECAUTIONS:** No data available

**DOT**

<b>UN Number:</b>	UN1950
<b>Proper Shipping Name:</b>	AEROSOLS, FLAMMABLE
<b>Technical Name:</b>	N/A
<b>Hazard Class(es)</b>	
<b>Class:</b>	2.1
<b>Subsidiary Risk</b>	N/A
<b>Packing Group:</b>	N/A

**IATA**

**UN Number:** UN1950  
**Proper Shipping Name:** AEROSOLS, FLAMMABLE  
**Technical Name:** N/A  
**Hazard Class(es)**  
**Class:** 2.1  
**Subsidiary Risk:** N/A  
**Packing Group:** N/A

**IMDG**

**UN Number:** UN1950  
**Proper Shipping Name:** AEROSOLS, FLAMMABLE  
**Technical Name:** N/A  
**Hazard Class(es)**  
**Class:** 2.1  
**Subsidiary Risk:** N/A  
**Packing Group:** N/A

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

**15. Regulatory Information**

**CHEMICAL INVENTORY STATUS:**

**TSCA** On or in compliance with the inventory  
**DSL** All ingredients in this product are listed on the DSL or are exempt.

**CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:**



Warning: This product may contain ingredients known to the state of California to cause Cancer or Reproductive Harm.

<u>Chemical Name</u>	<u>CAS-No.</u>
Toluene	108-88-3
Methanol	67-56-1
Naphthalene	91-20-3

**16. Other Information**

**Revision Date:** 9/28/2022  
**Datasheet produced by:** Regulatory Department

Revision Date: 9/28/2022

**Legend**

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



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