1. Product and Company Identification

Material name: LPS® PROCYON (Aerosol)
Version #: 01
Issue date: 07-18-2012
CAS #: Mixture
Part Number: 04216
Product use: A specialized coating designed to prevent rust and corrosion on steel, aluminum and other metals.
Manufacturer information: LPS Laboratories, a division of Illinois Tool Works
4647 Hugh Howell Rd
Tucker, GA 30084 United States
www.lpslabs.com
1-800-241-8334 / 770-243-8800
Chemtrec 1-800-424-9300

2. Hazards Identification

Emergency overview
DANGER
Flammable gas. CONTENTS UNDER PRESSURE. Aerosol. Pressurized container may explode when exposed to heat or flame. May cause flash fire or explosion.

Will be easily ignited by heat, spark or flames. May cause skin irritation. May be irritating to eyes. Prolonged exposure may cause chronic effects.

OSHA regulatory status
This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects
Routes of exposure
Inhalation. Ingestion. Skin contact. Eye contact.

Eyes
May cause eye irritation. Do not get this material in contact with eyes.

Skin
May cause skin irritation. Do not get this material in contact with skin.

Inhalation
May cause irritation of respiratory tract. Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful. Avoid breathing dust/fume/gas/mist/vapors/spray.

Ingestion
May be harmful if swallowed. Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion. Do not ingest.

Target organs

Chronic effects
Edema. Kidney injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage.

Signs and symptoms

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral Spirits Regular Stoddard Solvent</td>
<td>8052-41-3</td>
<td>20 - 40</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>N-Butane</td>
<td>106-97-8</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Petrolatum</td>
<td>8009-03-8</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Dipropylene Glycol Monomethyl Ether</td>
<td>34590-94-8</td>
<td>1 - 2.5</td>
</tr>
</tbody>
</table>

Other components below reportable levels
40 - 60
4. First Aid Measures

First aid procedures

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Skin contact
Immediately flush skin with plenty of water. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.

Inhalation
Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to physician
Symptoms may be delayed.

General advice
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Immediate medical attention is required.

5. Fire Fighting Measures

Flammable properties
Heat may cause the containers to explode. Vapors may travel considerable distance to a source of ignition and flash back. Runoff to sewer may cause fire or explosion hazard.

Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media
Do not use a solid water stream as it may scatter and spread fire.

Protection of firefighters

Specific hazards arising from the chemical
Fire may produce irritating, corrosive and/or toxic gases.

Protective equipment and precautions for firefighters
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

Fire fighting equipment/instructions
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. Use water spray to cool unopened containers. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods
In the event of fire and/or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

6. Accidental Release Measures

Personal precautions
Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep out of low areas. Ventilate closed spaces before entering them.

Methods for containment
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Methods for cleaning up
The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk. Isolate area until gas has dispersed. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.
7. Handling and Storage

Handling
Vapors may form explosive mixtures with air. Pressurized container: Do not pierce or burn, even after use. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Ground and bond containers when transferring material. Do not use if spray button is missing or defective. Do not re-use empty containers. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Avoid prolonged exposure.

Storage
Level 3 Aerosol.

Store locked up. Contents under pressure. The pressure in sealed containers can increase under the influence of heat. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid exposure to long periods of sunlight. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Occupational exposure limits

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene Glycol Monomethyl Ether (34590-94-8)</td>
<td>STEL</td>
<td>150 ppm</td>
<td></td>
</tr>
<tr>
<td>Isobutane (75-28-5)</td>
<td>TWA</td>
<td>100 ppm</td>
<td></td>
</tr>
<tr>
<td>Mineral Spirits Regular Stoddard Solvent (8052-41-3)</td>
<td>TWA</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>N-Butane (106-97-8)</td>
<td>TWA</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>Petrolatum (8009-03-8)</td>
<td>TWA</td>
<td>5 mg/m3 Inhalable fraction.</td>
<td></td>
</tr>
<tr>
<td>Propane (74-98-6)</td>
<td>TWA</td>
<td>1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene Glycol Monomethyl Ether (34590-94-8)</td>
<td>PEL</td>
<td>600 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Mineral Spirits Regular Stoddard Solvent (8052-41-3)</td>
<td>PEL</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>Petrolatum (8009-03-8)</td>
<td>PEL</td>
<td>5 mg/m3 Mist.</td>
<td></td>
</tr>
<tr>
<td>Propane (74-98-6)</td>
<td>PEL</td>
<td>1800 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

**Exposure guidelines**

**US ACGIH Threshold Limit Values: Skin designation**
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

**US OSHA Table Z-1: Skin designation**
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

**Engineering controls**
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Personal protective equipment**

**Eye / face protection**
Chemical goggles are recommended. Eye wash fountain is recommended.

**Skin protection**
Wear suitable protective clothing. Wear protective gloves.
Respiratory protection: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

General hygiene considerations: Do not get in eyes. Do not get this material in contact with skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance: Viscous. Liquid.
Physical state: Gas.
Form: Aerosol.
Color: Dark brown
Odor: Cherry
Odor threshold: Not available.
pH: Not available.
Vapor pressure: 2.6 mm Hg at 20°C
Vapor density: 4.8
Boiling point: 320 °F (160 °C)
Solubility (water): Insoluble in cold water
Specific gravity: 0.77
Relative density: Not available.
Flash point: 107.60 °F (42.00 °C) Tag Closed Cup
Flammability limits in air, upper, % by volume: 12.8 %
Flammability limits in air, lower, % by volume: 0.6 %
Auto-ignition temperature: > 446 °F (> 230 °C)
VOC: 51.1 % per U.S. State and Federal Consumer Product Regulations.
Evaporation rate: 0.2 BuAc
Percent volatile: 77 %
Other data:
- Flammability (solid, gas): Flammable gas.
- Flammability class: Combustible II estimated

10. Chemical Stability & Reactivity Information

Chemical stability: Risk of explosion.
Conditions to avoid: Heat, flames and sparks. Avoid temperatures exceeding the flash point.
Hazardous decomposition products: Toxic gas. Carbon oxides.
Possibility of hazardous reactions: Hazardous polymerization does not occur.

11. Toxicological Information

Local effects: May irritate eyes and skin. May cause irritation of respiratory tract. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic effects: Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects.
Subchronic effects: Kidney injury may occur.
Carcinogenicity:
- ACGIH Carcinogens: Petrolatum (CAS 8009-03-8) A4 Not classifiable as a human carcinogen.
- IARC Monographs. Overall Evaluation of Carcinogenicity: Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3) 3 Not classifiable as to carcinogenicity to humans.
12. Ecological Information

Persistence and degradability  Not available.

Bioaccumulation / Accumulation

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Octanol/water partition coefficient log Kow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
</tr>
<tr>
<td>Isobutane</td>
</tr>
<tr>
<td>N-Butane</td>
</tr>
<tr>
<td>Mineral Spirits Regular Stoddard Solvent</td>
</tr>
</tbody>
</table>

Partition coefficient

<table>
<thead>
<tr>
<th>Propane</th>
<th>2.36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isobutane</td>
<td>2.76</td>
</tr>
<tr>
<td>N-Butane</td>
<td>2.89</td>
</tr>
<tr>
<td>Mineral Spirits Regular Stoddard Solvent</td>
<td>3.16 - 7.15</td>
</tr>
</tbody>
</table>

Mobility in environmental media
The product is immiscible with water and will spread on the water surface.

13. Disposal Considerations

Waste codes
D001: Waste Flammable material with a flash point <140 F
D003: Waste Reactive material

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Incinerate the material under controlled conditions in an approved incinerator. Dispose in accordance with all applicable regulations.

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport Information

General
DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

DOT

Basic shipping requirements:
UN number  UN1950
Proper shipping name  Aerosols, flammable, MARINE POLLUTANT
Hazard class  2.1
Environmental hazards  Yes
Marine pollutant
Special precautions  Read safety instructions, MSDS and emergency procedures before handling.
Additional information:
Special provisions  N82
Packaging exceptions  306
Packaging non bulk  None
Packaging bulk  None

IATA

UN number  UN1950
UN proper shipping name  Aerosols, flammable
Transport hazard class(es)  2.1
Environmental hazards  Yes
Labels required  2.1

IMDG

UN number  UN1950
UN proper shipping name  Aerosols, flammable, MARINE POLLUTANT
Transport hazard class(es)  2.1
Environmental hazards  Yes
Marine pollutant  Yes
Labels required  2.1
15. Regulatory Information

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components of this product are TSCA inventory listed and/or are exempt.

- **Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2)**
  Not regulated.

- **DEA Essential Chemical Code Number**
  Not regulated.

- **Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**
  Not regulated.

- **DEA Exempt Chemical Mixtures Code Number**
  Not regulated.

**CERCLA (Superfund) reportable quantity**

- Propane: 100.0000
- Isobutane: 100.0000
- N-Butane: 100.0000

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

- **Hazard categories**
  - Immediate Hazard - Yes
  - Delayed Hazard - Yes
  - Fire Hazard - Yes
  - Pressure Hazard - Yes
  - Reactivity Hazard - No

- **Section 302 extremely hazardous substance**
  No

- **Section 311 hazardous chemical**
  No
State regulations

**US - New Jersey RTK - Substances: Listed substance**
- Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Listed.
- Isobutane (CAS 75-28-5) Listed.
- Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3) Listed.
- Propane (CAS 74-98-6) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**
- Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Listed.
- Isobutane (CAS 75-28-5) Listed.
- Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3) Listed.
- Petrolatum (CAS 8009-03-8) Listed.
- Propane (CAS 74-98-6) Listed.

### 16. Other Information

**Further information**
HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**
- Health: 1*
- Flammability: 4
- Physical hazard: 2

**NFPA ratings**
- Health: 1
- Flammability: 4
- Instability: 1

**Disclaimer**
The information in the sheet was written based on the best knowledge and experience currently available.

**This data sheet contains changes from the previous version in section(s):**
- Product and Company Identification: Product Uses
- Hazards Identification: EU Hazard Classifications
- Composition / Information on Ingredients: Ingredients
- Physical & Chemical Properties: Multiple Properties
- Transport Information: Proper Shipping Name/Packing Group
- Regulatory Information: United States