



LE-1020

REVISION DATE: 12/09/15

SAFETY DATA SHEET
LE-1020

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: LE-1020

MANUFACTURER: Precision Performance Coatings, Inc.
1480 S. Industrial Park Road
Lincolnton, NC 28092

DATE SUBMITTED: 12/21/15

Telephone Number-24-Hour Emergency Assistance

Infotrac 800-535-5053
Infotrac Int'l 352-323-3500

Telephone Number-Technical Service CHEMICAL 704-736-0048

FAMILY: Polyol

CHEMICAL NAME: Polyether Glycol

FORMULA: Not available

DOT SHIPPING NAME: Non-Regulated

DOT NON-BULK HAZARD CLASSIFICATION: Non-Regulated

2. HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product: No need for classification according to GHS criteria for this product.

Label elements: The product does not require a hazard warning label in accordance with GHS criteria.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

3. COMPOSITION/INFORMATION ON INGREDIENTS

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Chemical Component	CAS-No	Percent%
POLYTETRAMETHYLENE ETHER GLYCOL	25190-06-1	> 99.95%

Composition comments: The above concentration values do not reflect absolute minimums ; these values are typical which may vary from time to time.

4. FIRST AID MEASURES

- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If the affected person is not breathing, apply artificial respiration. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not use mouth-to-mouth method if victim inhaled the substance.
- Skin Contact:** Wash off immediately with plenty of water for at least 15 minutes. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse. Get medical attention, if needed.
- Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion:** Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. If the affected person is not breathing, apply artificial respiration. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not use mouth-to-mouth method if victim ingested the substance. Never give anything by mouth to a victim who is unconscious or is having convulsions. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed.

Eyes: May cause eye irritation with susceptible persons. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Skin: May cause skin irritation in susceptible persons. Symptoms may include redness, drying of skin, itching and pain.

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Indication of immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically.

General information:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Dry chemical, CO₂, water spray or regular foam.

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

Specific hazards arising from the chemicals: During fire, gases hazardous to health may be formed.

Advice for fire-fighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

Structural firefighters protective clothing will only provide limited protection. Always stay away from tanks engulfed in flame. In the event of fire, cool tanks with water spray.

Move containers from fire area if you can do it without risk.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Local authorities should be advised if significant spillages cannot be contained. Keep unnecessary personnel away. Do not touch or walk through spilled material. Wear appropriate personal protective equipment.

Methods and material for containment and cleaning up: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean contaminated surface thoroughly. If material has solidified, scrape, shovel or sweep up and place in appropriate container for disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Do not empty into drains. Do not discharge into the subsoil/soil.

7. HANDLING AND STORAGE

Precautions for safe handling

Use care in handling/storage. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapor/spray. Follow all SDS/label precautions even after container(s) is/are emptied because they may retain product residue(s). Wash hands after handling and before eating.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and flame. Keep the container tightly closed and dry. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from strong oxidizers.

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits Component	List	Type	Value
None Listed			

Advice on system design:

Provide local exhaust ventilation to control vapours/mists

Occupational exposure limits: No exposure limits noted for ingredient(s).

Biological limit values: No biological exposure limits noted for the ingredient(s).

Exposure guidelines: This material does not have established exposure limits.

Appropriate engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels. Attempts should be made to eliminate all contact with skin and eyes, and to limit inhalation exposure.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields.

Hand protection: Chemical resistant gloves.

Other: Wear suitable protective clothing.

Respiratory protection: Under normal conditions, respirator is not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: When using, do not eat or drink. Use good industrial hygiene practices in handling this material.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid or solid depending on formulation.
Flash point Closed Cup	> 325.4 °F (> 163 °C) Tag Open Cup
Flammability	Not Flammable
Physical State	Liquid or waxy solid
Color	Colorless
Odor	Mild
pH	> Not available.
Freezing Point	77 - 109.4 °F (25 - 43 °C) MW 1000 - 2900

Boiling Point	> Not Available
Autoignition Temperature	>Not available.
Lower Explosion Limit	Not available.
Upper Explosion Limit	Not available.
Vapor Pressure	Not available.
Density	Not available.
Self-Ignition Temperature	Not available.
Thermal Decomposition	410 °F (210 °C)
Viscosity, Dynamic	Not available.
Solubility in Water	< 20 g/l at 25°C for 650-2900 Grade (in Water) 100 % at 25°C for 250 Grade (in Water)

10.STABILITY AND REACTIVITY

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable under normal conditions.

Possibility of Hazardous Reactions

Not expected to occur.

Conditions to Avoid

Heat, Flames, and Sparks.

Incompatible Materials

Incompatible with oxidizing agents.

Hazardous decomposition products

Carbon oxides, Tetrahydrofuran.

11.TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Skin contact: May cause skin irritation in susceptible persons. Symptoms may include redness, drying of skin, itching and pain.

Eye contact: May cause eye irritation with susceptible persons. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Symptoms related to the physical, chemical and toxicological characteristics: See information on likely routes of exposure.

Information on toxicological effects

Product	Species	Test Results
LE-1020		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2250 mg/kg
	Rat	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	>11 mg/l/4h
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Respiratory sensitization: Based on available data, the classification criteria are not met.

Skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not available.

US. National Toxicology Program (NTP) Report on Carcinogens

Not available.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity -

single exposure: Based on available data, the classification criteria are not met.

Specific target organ toxicity -

repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Chronic effects: None known.

Further information: No data available.

12.ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.

Bioaccumulative potential: Bioaccumulation is unlikely.

Partition coefficient n-octanol / water (log Kow)

2.26, MW 250

29.15, MW 2900

Mobility in soil: No data available.

Other adverse effects: None known.

13.DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Incinerate in a licensed facility. Dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

14.TRANSPORT INFORMATION

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

US federal regulations: This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories: Immediate Hazard - No Delayed Hazard - No Fire Hazard - No
Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance: No

SARA 311/312 Hazardous chemical: No

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION**Recommended Uses and Restrictions**

We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

Revision

Issue Date: 12/09/2015

Revised By: C. Spearman

Approved By: H. E. Carmichael

Precision Performance Coatings, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.