

**MATERIAL SAFETY DATA SHEET**

## 1. IDENTIFICATION OF SUBSTANCE

Product Trade Name: Release Coating 7476

Product Use: Release Agent

Product Description: Blended lubricant/hydrocarbon solvent

HMIS Hazard Rating: H1, F3, R1, PE B

## MANUFACTURER INFORMATION:

Huron Technologies, Inc.

415 Industrial Dr.

Leslie, MI 49251 USA

Phone: (517) 589-0300

Emergency Phone: (800) 424-9300

(Chemtrec) (703) 527-3887

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Lubricant blend 7-12%

Synthetic Hydrocarbon solvent CAS# 64741-66-8 88-93%

This product is a mixture of materials, each of which is listed in TSCA as indicated on suppliers' MSDS. The mixture is non-hazardous when used as directed.

## 3. HAZARDS IDENTIFICATION

HAZARD DESIGNATION: Easily flammable liquid, 45 F (7 C) flash point

CLASSIFICATION SYSTEM: This preparation is classified as dangerous according to Directive 1999/45/EC.

## EFFECTS OF OVEREXPOSURE:

Eyes: Irritating but will not injure tissue.

Skin: Prolonged skin contact will defat the skin tissue and cause irritation and skin rash.

Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged exposure will cause dizziness and nausea.

Ingestion: If ingested do not induce vomiting as small amounts of liquid may be drawn into the lungs, which can be fatal due to chemical pneumonitis.

Chronic Effects: There is minimal evidence for serious chronic effects (exposure to solvent), according to the American Conference of Governmental Industrial Hygienists.

## 4. FIRST AID MEASURES

## EMERGENCY AND FIRST AID PROCEDURES:

Eyes: In case of contact, flush eyes well with water for 15 minutes. Obtain medical attention if irritation develops.

Skin: Flush skin with plenty of water and wash affected area with soap and water. Launder contaminated clothing before reuse. Call physician if irritation develops.

Inhalation: Remove to fresh air. Administer artificial respiration if breathing is stopped. Call physician.

Ingestion: If ingested, give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have medical personnel determine if vomiting or evacuation of the stomach is necessary. Do not give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

Flash Point, F: 45 (7 C), estimate, PMCC

Flammable limits in air by volume-Lower- 1.3% Upper- 10.2%

Product Code: LBA

Date last revised: 1/28/2009

Extinguishing Media: Water fog to cool fire; foam or dry chemical to extinguish the fire.

Special Firefighting Procedures: Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Unusual fire and explosion hazards: None known.

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6. ACCIDENTAL RELEASE MEASURES  
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ACTION FOR SPILLS:

Personal Precautions: Wear gloves and other personal protective equipment when handling this product.

Environmental Precautions: Prevent spills of the purchased product from entering the environment.

Methods for Clean Up: If a spill occurs, contain it. Remove ignition sources. Ventilate the area. Absorb it on a suitable absorbent material, such as sand or clay, and discard it to solid waste.

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7. HANDLING AND STORAGE  
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Store in a dry, well ventilated area. Store at 40-100°F (4-38°C) range.

Store away from ignition sources and protect from static electrical sparks.

Ground all pumping equipment.

Keep containers tightly closed when not in use.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION  
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Component Exposure Limits:

| Component Name: | Exposure Limits:              |
|-----------------|-------------------------------|
| CAS# 64741-66-8 | Synthetic Hydrocarbon solvent |

Respiratory Protection: Local Ventilation: Recommended  
Mechanical Ventilation: Recommended  
Respiratory protection: None required under normal use.

Hand Protection: Wear neoprene gloves. The exact break through time has to be found out by the glove manufacturer and has to be observed.

Eye Protection: Goggles or safety glasses with side shields.

Protective Clothing: Protective clothing (apron, lab coat, coveralls) as needed depending on level of exposure.

Safety Equipment: Eye Fountain and safety shower located in the work area.

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9. PHYSICAL AND CHEMICAL PROPERTIES  
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|                                     |                       |
|-------------------------------------|-----------------------|
| Boiling Point, deg. F (C).          | 250-375 (121-191)     |
| Solubility In Water @ 68 F (20 C).  | nil                   |
| Specific Gravity @ 68 F (20 C).     | 0.72                  |
| Vapor Pressure, mm Hg @ 68 F (20C). | <12                   |
| Vapor Density, (AIR=1)              | >1                    |
| Volatiles, % by WT                  | 88-93%                |
| Appearance                          | clear colorless fluid |
| Odor                                | Sweet Naphtha Odor    |
| pH                                  |                       |
| Flash Point, deg. F (C)             | 45 (7)                |

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Product Code: 1BA

Date last revised: 1/28/2009

|                           |                            |
|---------------------------|----------------------------|
| Flammability (solid, gas) | Flammable vapors above 7 C |
| Explosive Properties      | 1.3% LEL, 10.2% UEL        |
| Oxidizing Properties      | Will not cause oxidation   |
| Partition Coefficient     | Unknown                    |
| Viscosity                 | Low                        |
| Evaporation Rate (BuAc=1) | <1                         |

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#### 10. STABILITY AND REACTIVITY

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Stability: Stable

Incompatibilities (materials to avoid): Strong oxidizers

Hazardous Decomposition Products: SiO<sub>2</sub>, CO<sub>2</sub>, CO, and hydrocarbon decomposition products at elevated temperatures.

Hazardous Polymerization: Will not occur

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#### 11. TOXICOLOGICAL INFORMATION

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This product does not contain any listed (NTP, IARC, OR OSHA) carcinogens.

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Chronic Effects: There is minimal evidence for serious chronic effects (exposure to solvent), according to the American Conference of Governmental Industrial Hygienists.

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#### 12. ECOLOGICAL INFORMATION

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General notes: The purchased product contains naphtha; therefore, do not allow it to enter sewers, streams or other water courses.

ECOTOXICITY: No specific information is available.

MOBILITY: No specific information is available.

PERSISTENCE AND DEGRADABILITY: No specific information is available.

BIOACCUMULATIVE POTENTIAL: No specific information is available.

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#### 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHOD:** The purchased product contains naphtha; therefore, do not allow it to enter sewers, streams or other water courses. It has been evaluated for R.C.R.A. characteristics and does meet the criteria of a federal hazardous waste, because of ignitability. Disposal of the purchased product must be to a licensed waste treatment facility for burning, incineration or solvent recovery. Disposal must be done in compliance with applicable local, state, and federal regulations and in a manner acceptable to good waste management practices.

**RCRA Hazardous Waste:** This product would be considered hazardous waste if disposed of in its original form. Under R.C.R.A. requirements, it is the responsibility of the user of products to determine, at the time of disposal, whether the spent solution of the product meets R.C.R.A. criteria for hazardous waste. This is because product uses, processes and soil compositions may render the resulting material hazardous. Disposal of the spent solutions of the product should be made in a manner acceptable to good waste management practices and in compliance with applicable local, state, and federal regulations.

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14. TRANSPORT INFORMATION  
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IATA Shipping Classification: Petroleum Distillates, n.o.s., 3, UN-1268, II.  
DOT Shipping Classification: Petroleum Distillates, n.o.s., 3, UN-1268, II.  
Marine Pollutant: No  
HMIS Hazard Rating: H1, F3, R1, PE B  
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15. REGULATORY INFORMATION  
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California Proposition 65 Certification:  
This product does not contain, as an ingredient, any chemical listed under Proposition 65 as known to the state of California to cause cancer or reproductive toxicity. This product complies with California's Safe Drinking Water and Toxic Enforcement Act.

Reportable Ingredients:

SARA 313: none  
SARA 302: none  
CERCLA: none

SARA Title III:

Under the provision of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: Fire.  
This information may be subject to the provisions of the Community Right-to Know Reporting Requirements (40 CFR 370) if threshold quantity criteria are met.

Toxic Substances Control Act (TSCA) Certification:

This product contains a mixture of ingredients. Each ingredient has been reviewed and found to be listed in the Toxic Substance Control Act Chemical Substance Inventory.

Clean Water Act/Oil Pollution Act:

This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 202-267-2675.  
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16. OTHER INFORMATION  
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All statements, information, and data provided in this material safety data sheet are believed to be accurate and reliable, but are presented without guarantee, representation, warranty, or responsibility of any kind, expressed or implied. Any and all representations and/or warranties of merchantability or fitness for a particular purpose are specifically disclaimed. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. Nothing contained herein is intended as permission, inducement or recommendation to violate any laws or violate patents.