

**MATERIAL SAFETY DATA SHEET**

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1. IDENTIFICATION OF SUBSTANCE  
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Product Trade Name: Silicone Mold Release  
Product Use: Release Agent  
Product Description: Aerosol containing silicone parting agents  
HMIS Hazard Rating: H2, F4, R0, PE B

MANUFACTURER INFORMATION:

Huron Technologies, Inc. Phone: (517) 589-0300  
415 Industrial Dr. Emergency Phone: (800) 424-9300  
Leslie, MI 49251 USA (Chemtrec) (703) 527-3887

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2. COMPOSITION/INFORMATION ON INGREDIENTS  
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Lubricant blend			3-10%
Hexane	TLV 50 ppm	CAS# 110-54-3	50-60%
Aliphatic Hydrocarbon	TLV 300 ppm	CAS# 64742-48-9	15-20%
Propane	TLV 1000 ppm	CAS# 74-98-6	8-10%
Isobutane	TLV 800 ppm	CAS# 75-28-5	1-5%

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.

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3. HAZARDS IDENTIFICATION  
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HAZARD DESIGNATION: Easily flammable liquid, -40 F (-40 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.

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4. FIRST AID MEASURES  
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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.

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5. FIRE FIGHTING MEASURES  
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Flash Point, F: -40 (-40 C), TCC

Flammable limits in air by volume-Lower- 1.8% Upper- 12.0%

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.

Heating the aerosol cans above 130 F may cause the cans to burst.

Unusual fire and explosion hazards: None known.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

Store in a dry, well ventilated area. Store at 60-80°F (16-27°C) range.

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

Ground all pumping equipment.

Do not store aerosol cans near heat sources. The cans may burst at temperatures above 130 F.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Component Exposure Limits:

CAS#:	Component Name:	Exposure Limits:
110-54-3	Hexane	TLV 50 ppm
64742-48-9	Aliphatic Hydrocarbon	TLV 300 ppm
74-98-6	Propane	TLV 1000 ppm
75-28-5	Isobutane	TLV 800 ppm

Respiratory Protection: Local Ventilation: Recommended to minimize TLV exposure.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Product Code: 2I

Date last revised: 6/19/2013

Boiling Point, deg. F (C).	-40-160 (-40-71)
Solubility In Water @ 68 F (20 C).	nil
Specific Gravity @ 68 F (20 C)(Estimate)	0.6
Vapor Pressure, mm Hg @ 68 F (20C).	approx. 70
Vapor Density, (AIR=1)	2.5
Volatiles, % by WT	92-98%
Appearance	clear water white solution
Voc, grams/10.5 oz. can	282.8
pH	
Flash Point, deg. F (C)	-40 (-40)
Flammability (solid, gas)	Flammable vapors above -40 C
Explosive Properties	1.8% LEL, 12.0% 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.  
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.

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12. ECOLOGICAL INFORMATION  
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General notes: The purchased product contains hexane and aliphatic 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 hexane and aliphatic 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: Aerosols, flammable, 2.1, UN-1950  
DOT Shipping Classification: Limited quantity per CFR 49 173.306(i)  
Marine Pollutant: No  
HMIS Hazard Rating: H2, F4, R0, 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: Hexane CAS#110-54-3 1.0\*

\*112(b) HAP.

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.  
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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.