



Revision Date: 09/25/2003

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: FREKOTE FMS/PINT
Product type: Mold Release
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 38412
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Hydrotreated heavy naphtha 64742-48-9	60-100	None	None	None
Dibutyl Ether 142-96-1	10-30	None	None	None
Octane 111-65-9	1-5	None	2350 mg/m ³ TWA 500 ppm TWA	None

Non hazardous components

Proprietary resin blend less than 5% NJ TSRN 06-070-1067-5411P

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Colorless
Odor: Mild, Solvent

HEALTH: 1
FLAMMABILITY: 3
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

WARNING: FLAMMABLE LIQUID AND VAPOR.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

Relevant routes of exposure: Skin, inhalation, eyes

Potential Health Effects

Inhalation: Vapors and mists will irritate nose and throat and possibly eyes.
Skin contact: Prolonged or repeated contact may cause irritation.
Eye contact: Moderate eye irritation.
Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure: Skin disorders.

See Section 11 for additional toxicological information.

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4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If discomfort persists seek medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. If skin irritation persists, call a physician.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	Keep individual calm. Do not induce vomiting; contains petroleum distillates and/or aromatic solvents. DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point:	31°C (87.8°F)
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Use water spray to keep fire exposed containers cool.
Unusual fire or explosion hazards:	Containers exposed to fire should be cooled with water to prevent vapor pressure buildup which could result in container rupture. If a leak or spill has not ignited use water spray to disperse vapors. The liquid is volatile and gives off invisible vapors.
Hazardous combustion products:	Oxides of carbon. Acrid smoke and fumes.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not allow material to contaminate ground water system.
Clean-up methods:	Maintain good ventilation for large spills. Remove all ignition sources. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Keep container closed. Avoid contact with eyes, skin and clothing. Do not wear contact lenses.
Storage:	Store away from heat, sparks, flames, or other sources of ignition. Keep container closed. Store at or below 48.8°C (120°F).
Incompatible products:	Oxidizing and spontaneously flammable products.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
Respiratory protection:	Use a NIOSH approved respirator if ventilation is inadequate.
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Skin protection: Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

Eye/face protection: Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Colorless
Odor: Mild, Solvent
Vapor pressure: Not available
pH: Not applicable
Boiling point/range: 140°C (285°F)
Melting point/range: Not available
Specific gravity: .755
Vapor density: Heavier than air
Evaporation rate: Slower than ether.
Solubility in water: Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available
VOC content: 99.24%; 749 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: None under normal use.

Incompatibility: Oxidizing agents.

Conditions to avoid: Heat, flames and sparks. High temperatures.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Hydrotreated heavy naphtha 64742-48-9	No	No	No
Dibutyl Ether 142-96-1	No	No	No
Octane 111-65-9	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Hydrotreated heavy naphtha 64742-48-9	Irritant
Dibutyl Ether 142-96-1	Irritant
Octane 111-65-9	No Target Organs

12. ECOLOGICAL INFORMATION

Ecological information: No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not available

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN 1866
Packing group: III

International Air Transportation (ICAO/IATA):

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN 1866
Packing group: III

Water Transportation (IMO/IMDG):

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN 1866
Packing group: III
Marine pollutant: None known

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: None.
CERCLA/SARA 313: None.

California Proposition 65: Benzene (CAS# 71-43-2). Trace. Toluene (CAS# 108-88-3). Trace.

Canada Regulatory Information

CEPA DSL/NDSL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
WHMIS hazard class: B.2, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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