



Revision Date: 09/25/2003

Issue date: 10/29/2003

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** FREKOTE 720-NC/PINT  
**Product type:** Mold Release  
**Company address:**  
Henkel Loctite Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item number:** 38422  
**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	300 ppm TWA	2350 mg/m <sup>3</sup> TWA 500 ppm TWA	None

#### Non hazardous components

Proprietary resin blend less than 5%

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

##### HMIS:

<b>Physical state:</b> Liquid	<b>HEALTH:</b>	1
<b>Color:</b> Colorless	<b>FLAMMABILITY:</b>	3
<b>Odor:</b> Mild, Solvent	<b>PHYSICAL HAZARD:</b>	0
	<b>Personal Protection:</b>	See Section 8

**CAUTION:** 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.

Item number: 38422

Product name: FREKOTE 720-NC/PINT

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If discomfort persists seek medical attention.
<b>Skin contact:</b>	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.
<b>Eye contact:</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Ingestion:</b>	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

<b>Flash point:</b>	31°C (87°F)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	Not available
<b>Flammable/Explosive limits-upper %:</b>	Not available
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Use water spray to keep fire exposed containers cool.
<b>Unusual fire or explosion hazards:</b>	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.
<b>Hazardous combustion products:</b>	Oxides of carbon. Acrid smoke and fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Do not allow material to contaminate ground water system.
<b>Clean-up methods:</b>	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

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

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Ensure adequate ventilation, especially in confined areas.
------------------------------	--

Item number: 38422

Product name: FREKOTE 720-NC/PINT

**Respiratory protection:** Use a NIOSH approved respirator if ventilation is inadequate.

**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:** Greater than 112°C (235°F)  
**Melting point/range:** Not available  
**Specific gravity:** .754  
**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:** 754 grams/liter of coating

## 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	No	No	No
Dibutyl Ether	No	No	No
Octane	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Hydrotreated heavy naphtha	Irritant
Dibutyl Ether	Irritant
Octane	No Target Organs

## 12. ECOLOGICAL INFORMATION

**Ecological information:**

No specific studies have been conducted by Loctite 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

**WaterTransportation (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/NDL 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.

Prepared by: Lou Fabrizio, Senior Health & Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Loctite Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Loctite Corporation has no control. It is the user's responsibility to determine the suitability of Henkel Loctite's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Loctite Corporation's products. In light of the foregoing, Henkel Loctite Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Loctite Corporation's products. Henkel Loctite Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.