

# Material Safety Data Sheet



Revision Number: 002.0

Issue date: 12/08/2010

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	<b>FREKOTE® FREWAX® RELEASING INTERFACE PART NO. 38411</b>	<b>IDH number:</b>	548972
<b>Product type:</b>	Mold Release	<b>Item number:</b>	38411
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	<b>Region:</b>	United States
		<b>Contact information:</b>	Telephone: 860.571.5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

Contains one or more components for which a Toxic Substances Control Act (TSCA) Low Volume Exemption (LVE) applies. See Section 15.

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

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

**WARNING:** FLAMMABLE LIQUID AND VAPOR.  
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.  
ASPIRATION HAZARD IF SWALLOWED.  
CAN ENTER LUNGS AND CAUSE DAMAGE.  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

**Relevant routes of exposure:** Skin, Inhalation, Eyes, Ingestion

### Potential Health Effects

<b>Inhalation:</b>	Vapors and mists will irritate nose and throat and possibly eyes. High vapor concentrations (greater than approximately 1000 ppm) may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.
<b>Skin contact:</b>	Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
<b>Eye contact:</b>	Vapors may irritate eyes. Contact with eyes will cause irritation.
<b>Ingestion:</b>	Aspiration may occur during swallowing or vomiting, resulting in lung damage. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.

**Existing conditions aggravated by exposure:** Dermatitis. Eczema. Other pre-existing skin conditions. Asthma. Other respiratory disorders (bronchitis, emphysema, bronchial hyperreactivity).

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

IDH number: 548972

Product name: FREKOTE® FREWAX® RELEASING INTERFACE PART NO. 38411  
Page 1 of 5

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Naphtha, hydrotreated heavy; (petroleum)	64742-48-9	60 - 100
Octane	111-65-9	1 - 5
Proprietary Resin	Proprietary	1 - 5

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.
<b>Ingestion:</b>	Keep individual calm. Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Never give anything by mouth to an unconscious person. Get immediate medical attention.
<b>Notes to physician:</b>	This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	28 °C (82.4 °F) Tagliabue closed cup
<b>Autoignition temperature:</b>	> 200 °C (> 392°F) (value for solvent)
<b>Flammable/Explosive limits - lower:</b>	Not available
<b>Flammable/Explosive limits - upper:</b>	Not available
<b>Extinguishing media:</b>	Carbon dioxide. Dry powder. Alcohol-resistant foam. Do not use high volume water jet.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water may be unsuitable as an extinguishing media, but may be helpful in keeping adjacent containers cool. Keep personnel upwind of fire.
<b>Unusual fire or explosion hazards:</b>	Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a significantly high level, sparks can form that may ignite vapors of flammable liquids. Do not handle or store near an open flame, heat or other sources of ignition. Vapors may form explosive mixtures with air.
<b>Hazardous combustion products:</b>	Oxides of carbon and nitrogen, aldehydes, acids and undetermined organics.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways. Advise authorities if product has entered or may enter sewers, water sources or extensive land areas. Prevent further leakage or spillage if safe to do so. This product is insoluble in water and will float on surface.
-----------------------------------	---

**Clean-up methods:**

Remove all sources of ignition. Ventilate area. Wear suitable protective clothing, gloves and eye/face protection. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. Avoid inhalation of vapor, fumes, dust and/or mist from the spilled material. Keep upwind of the spilled material and isolate exposure. Store in a closed metal container until ready for disposal.

## 7. HANDLING AND STORAGE

**Handling:**

During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Make sure containers are properly grounded before use or transfer of material. For operations where eye or face contact could occur, provide safety shower and eyewash fountain. Refer to Section 8.

**Storage:**

For safe storage, store at or below 48.8 °C (119.8 °F)  
Store away from heat, sparks, flames, or other sources of ignition. Keep container closed.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Naphtha, hydrotreated heavy; (petroleum)	None	None	None	196 ppm TWA
Octane	300 ppm TWA	500 ppm (2,350 mg/m <sup>3</sup> ) TWA	None	None
Proprietary Resin	None	None	None	None

**Engineering controls:**

Use explosion-proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product.

**Respiratory protection:**

Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Mild, Solvent
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Boiling point/range:</b>	141 °C (285.8 °F) (1,013 hPa)
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	0.754
<b>Vapor density:</b>	Heavier than air.
<b>Flash point:</b>	28 °C (82.4 °F) Tagliabue closed cup
<b>Flammable/Explosive limits - lower:</b>	Not available
<b>Flammable/Explosive limits - upper:</b>	Not available
<b>Autoignition temperature:</b>	> 200 °C (> 392°F) (value for solvent)

Evaporation rate: Slower than ether.  
 Solubility in water: Slight  
 Partition coefficient (n-octanol/water): Not available  
 VOC content: 754 g/l of coating

## 10. STABILITY AND REACTIVITY

**Stability:** Risk of ignition. Stable under normal conditions of storage and use.

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** Hydrocarbons. Oxides of carbon. Traces of Ammonia. Amines.

**Incompatible materials:** Strong oxidizing agents. Strong acids. Strong alkalis. Humid air. Water.

**Conditions to avoid:** Exposure to air or moisture over prolonged periods. Avoid static discharge. Keep away from open flames, hot surfaces and sources of ignition. Vapors may form explosive mixtures with air. Spray mist may be flammable at temperatures below the flash point. Fire or intense heat may cause violent rupture of packages. Protect from direct sunlight.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Naphtha, hydrotreated heavy; (petroleum)	No	No	No
Octane	No	No	No
Proprietary Resin	No	No	No

Hazardous components	Health Effects/Target Organs
Naphtha, hydrotreated heavy; (petroleum)	Irritant
Octane	Central nervous system, Irritant, Lung
Proprietary Resin	No Data

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** D001: Ignitable.

## 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

**15. REGULATORY INFORMATION**

**United States Regulatory Information**

<b>TSCA 8 (b) Inventory Status:</b>	All components of this product are listed on the U.S. Toxic Substances Control Act (TSCA) inventory or are exempt from listing because a Low Volume Exemption (LVE) has been granted in accordance with 40 CFR 723.50.
<b>TSCA 12(b) Export Notification:</b>	None above reporting de minimus
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimus
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health, Fire
<b>CERCLA/SARA 313:</b>	None above reporting de minimus
<b>California Proposition 65:</b>	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

<b>CEPA DSL/NDL Status:</b>	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.
<b>WHMIS hazard class:</b>	B.2, D.2.B

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: 1, 7, 8, 13, 15

Prepared by: Katherine Caddy, Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel'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 Corporation's products. In light of the foregoing, Henkel 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 Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.