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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	FREKOTE HMT DR	Item No. :	83538 / IDH No. 420451
Product type:	Mold Release	Region:	United States
Company address:	Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067		
		Contact Information:	Telephone: 860.571.5100 Emergency telephone: 860.571.5100 Internet: www.loctite.com

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

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	30-60	None	None	225 ppm TWA
Dibutyl Ether 142-96-1	30-60	None	None	None
1,2,4-Trimethylbenzene 95-63-6	5-10	25 ppm TWA	None	None
Light aromatic solvent naphtha 64742-95-6	5-10	None	None	50 ppm
1,3,5-Trimethylbenzene 108-67-8	1-5	25 ppm TWA	None	None
Proprietary Resin Proprietary	1-5	None	None	None

3. HAZARDS IDENTIFICATION

<u>EMERGENCY OVERVIEW</u>	
Physical state: Liquid Color: Colorless Odor: Mild	HMIS: HEALTH: 1 FLAMMABILITY: 2 PHYSICAL HAZARD: 0 Personal Protection: See Section 8
WARNING: FLAMMABLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM. MAY BE HARMFUL IF SWALLOWED OR INHALED. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION	

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

Potential Health Effects

Inhalation: Vapors and mists will irritate nose and throat and possibly eyes. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful. May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, breathing difficulties.

Skin contact: Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.

Eye contact: Moderate eye irritation.

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Ingestion: May be harmful if swallowed. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

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

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get 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: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.

Ingestion: Keep individual calm. Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Never give anything by mouth to an unconscious person. Get medical attention immediately. If vomiting occurs, prevent aspiration by keeping the patients head below the knees.

5. FIRE-FIGHTING MEASURES

Flash point: 32°C (89.6°F) Tagliabue closed cup

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Carbon dioxide (CO₂). Dry powder. Alcohol-resistant foam. Water spray. Do not use high volume water jet.

Special fire fighting procedures: 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.

Unusual fire or explosion hazards: Vapors may form explosive mixtures with air. Do not store or use near heat, spark, open flame or other sources of ignition. 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.

Hazardous combustion products: Oxides of carbon and nitrogen, aldehydes, acids and undetermined organics. Amines. Hydrochloric acid. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters. Advise authorities if product has entered or may enter seweres, 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 ignition sources. Ventilate area. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed metal container until ready for disposal. Keep people away from and upwind of spill/leak. Wear suitable protective clothing, gloves and eye/face protection.

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. Make sure containers are properly grounded before use or transfer of material. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. For operations where eye or face contact could occur, provide safety shower and eyewash fountain.
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:	Refer to Section 10.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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 with an organic vapor cartridge if the potential to exceed established exposure limits exists.
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. In a splash hazard environment, chemical goggles should be used in combination with a full face shield. An eyewash and safety shower should be nearby and ready for use.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Colorless
Odor:	Mild
Vapor pressure:	2.39 mmHg
pH:	Not applicable
Boiling point/range:	142.78°C (289°F)
Melting point/range:	Not determined
Specific gravity:	.782
Vapor density:	Approximately 4.8
Evaporation rate:	<0.2 (Ether = 1)
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
VOC content:	>95% (estimated)

10. STABILITY AND REACTIVITY

Stability:	Risk of ignition. Stable under normal conditions of storage and use.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Hydrocarbons. Carbon monoxide. Traces of Ammonia.
Incompatibility:	Strong oxidizing agents. Humid air. Water.
Conditions to avoid:	Avoid static discharge. Vapours may form explosive mixture with air. Spray mist may be flammable at temperatures below the flash point. Keep away from open flames, hot surfaces and sources of ignition. Exposure to air or moisture over prolonged periods. Fire or intense heat may cause violent rupture of packages.

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
1,2,4-Trimethylbenzene 95-63-6	No	No	No
Light aromatic solvent naphtha 64742-95-6	No	No	No
1,3,5-Trimethylbenzene 108-67-8	No	No	No
Proprietary Resin Proprietary	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
1,2,4-Trimethylbenzene 95-63-6	Central nervous system, Irritant, Respiratory
Light aromatic solvent naphtha 64742-95-6	Irritant
1,3,5-Trimethylbenzene 108-67-8	Central nervous system, Irritant, Respiratory
Proprietary Resin Proprietary	No data

12. ECOLOGICAL INFORMATION

Ecological information: Not available

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: D001: Ignitable. This product may contain traces of Benzene and may be classified as a hazardous waste (waste number(s) D018) under EPA RCRA (40 CFR 261.24). However this product is only classifiable as hazardous waste if it exhibits the characteristics of toxicity as shown by the toxicity characteristic leaching procedure (TCLP). Under RCRA, it is the responsibility of the end user of this product to determine whether it meets this criteria at the time of disposal.

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

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15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components of this product are listed on the U.S. Toxic Substances Control Act (TSCA) or are exempted from listing because a Low Volume Exemption (LVE) has been granted in accordance with 40 CFR 723.50.
TSCA 12 (b) Export Notification:	None.
CERCLA/SARA Section 302 EHS:	None.
CERCLA/SARA Section 311/312:	Fire, Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). 1,2,4-Trimethylbenzene (CAS# 95-63-6).
California Proposition 65:	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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. Please contact Product Safety and Regulatory Affairs for more information.
WHMIS hazard class:	B.2, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2,8

Prepared by: Dan Shaw, Product Safety and Regulatory Affairs Specialist

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