



Revision Date: 07/19/2005

Issue date: 07/23/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: FREKOTE 770-NC AEROSOL/400ML
Product type: Mold Release
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 83469
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>
Naphtha(petroleum), light alkylate 64741-66-8	60-100	None	None	None
Liquefied petroleum gas 68476-85-7	10-30	1000 ppm TWA listed under aliphatic hydrocarbon gases alkane C1-C4	1000 ppm TWA 1800 mg/m ³ TWA	None
Stoddard solvent 8052-41-3	1-5	100 ppm TWA	2900 mg/m ³ TWA 500 ppm TWA	None
Xylene 1330-20-7	0.1-1	100 ppm TWA 150 ppm STEL	100 ppm TWA 435 mg/m ³ TWA	None
Ethyl benzene 100-41-4	0.1-1	100 ppm TWA 125 ppm STEL	100 ppm TWA 435 mg/m ³ TWA	None
1,2,4-Trimethylbenzene 95-63-6	0.1-1	25 ppm TWA	None	None

Non hazardous components
Proprietary resin blend less than 5%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Aerosol
Color: Colorless
Odor: Slight, Solvent

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

WARNING: FLAMMABLE LIQUID AND VAPOR.
HARMFUL IF INHALED.
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: May cause skin irritation with discomfort or rash. Repeated or prolonged contact can result in drying of skin.

Item No. : 83469

Product name: FREKOTE 770-NC AEROSOL/400ML

Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: Harmful if swallowed.

Existing conditions aggravated by exposure: Other pre-existing skin conditions.

See Section 11 for additional toxicological information.

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. Get medical attention if symptoms occur.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Ingestion: Keep individual calm. Do not induce vomiting. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: Flammable by flame extension

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Use dry chemical, CO₂, water spray or `alcohol` foam.

Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Unusual fire or explosion hazards: Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Acrid smoke and fumes.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Remove sources of ignition. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system.

Clean-up methods: Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. 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.

7. HANDLING AND STORAGE

- Handling:** Use only in area provided with appropriate exhaust ventilation. Keep away from heat, spark and flame. Use only with adequate ventilation. Do not get in eyes. Do not get on skin or clothing.
- Storage:** Store away from heat, sparks, flames, or other sources of ignition. Keep in a cool, well ventilated area. Store in original container until ready to use.
- 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. Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
- Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
- Skin protection:** Use impermeable gloves and protective clothing as necessary 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:** Aerosol
Color: Colorless
Odor: Slight, Solvent
Vapor pressure: Greater than 2000 mm Hg
pH: Not applicable
Boiling point/range: Not available
Melting point/range: Not available
Specific gravity: .712
Vapor density: Heavier than air
Evaporation rate: Not available
Solubility in water: Not available
Partition coefficient (n-octanol/water): Not available
VOC content: 90.55%; 644 grams/liter

10. STABILITY AND REACTIVITY

- Stability:** Stable.
- Hazardous polymerization:** Will not occur.
- Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors.
- Incompatibility:** Oxidizing agents.
- Conditions to avoid:** Heat, flames and sparks.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Naphtha(petroleum), light alkylate 64741-66-8	No	No	No
Liquefied petroleum gas 68476-85-7	No	No	No
Stoddard solvent 8052-41-3	No	No	No
Xylene 1330-20-7	No	No	No
Ethyl benzene 100-41-4	No	Group 2B	Yes
1,2,4-Trimethylbenzene 95-63-6	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Naphtha(petroleum), light alkylate 64741-66-8	No data
Liquefied petroleum gas 68476-85-7	Central nervous system, Lung, Irritant, Cardiac, Skin
Stoddard solvent 8052-41-3	Central nervous system, Irritant
Xylene 1330-20-7	Cardiac, Central nervous system, Irritant, Kidney, Liver
Ethyl benzene 100-41-4	Central nervous system, Irritant
1,2,4-Trimethylbenzene 95-63-6	Central nervous system, Irritant, Respiratory

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: Dispose of according to Federal, State and local governmental regulations. Do not puncture or incinerate pressurized cans.

EPA hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

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

Proper shipping name: Consumer commodity
Hazard class or division: ORM-D
Identification number: Not available
Packing group: Not available
Exceptions: (Up to 1liter when shipped as originally packaged by Henkel only)

International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, flammable NOS
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1

Item No. : 83469

Product name: FREKOTE 770-NC AEROSOL/400ML

Identification number: UN 1950
Packing group: None

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: Immediate Health Hazard, Fire
CERCLA/SARA 313: None.

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/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: A, B.5, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: This material safety data sheet contains changes from the previous version in section(s): 2

Prepared by: Dan Shaw, Product Safety and Regulatory Affairs Specialist
For Safety and Regulatory Information contact:
Product Safety and Regulatory Affairs,
Rocky Hill, CT.
860-571-5204

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.