Material Safety Data Sheet

Revision Date: 07/05/2006 **Issue date:** 07/05/2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: FIXMASTER FLEX CLEANER
Product type: Solvent
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Item No. : 96677_1107142 / IDH No. 702227
Region: United States
Contact Information:
Telephone: (860) 571-5100
Emergency telephone: (860) 571-5100
Internet: www.henkelna.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Chlorobenzotrifluoride 98-56-6	60-100	2.5 mg/m³ TWA as F	2.5 mg/m³ TWA as F	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Clear Colorless
Odor: Napthalenic

HEALTH: 2
FLAMMABILITY: 2
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING: COMBUSTIBLE LIQUID AND VAPOR.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY AFFECT THE CENTRAL NERVOUS SYSTEM.

Relevant routes of exposure: Eye contact, Ingestion, Inhalation, Skin contact

Potential Health Effects

Inhalation: Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness. May cause respiratory tract irritation.
Skin contact: May cause skin irritation.
Eye contact: Mild eye irritation.
Ingestion: May cause damage to the lining of the gastrointestinal tract.

Existing conditions aggravated by exposure: None known

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Skin contact: Wash with soap and water. Wash clothing before reuse. 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: Do not induce vomiting. Do not give fluids. If vomiting occurs, prevent aspiration by keeping the patients head below the knees. Get medical attention immediately. In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision.

5. FIRE-FIGHTING MEASURES

Flash point: 42.8°C (109°F) Tagliabue closed cup

Autoignition temperature: >500°C (932°F)

Flammable/Explosive limits-lower %: 0.9 %

Flammable/Explosive limits-upper %: 10.5 %

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Special fire fighting procedures: Keep unnecessary personnel away. Use water spray to keep fire exposed containers cool. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

Hazardous combustion products: Toxic chlorides. Toxic fluorides.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not allow material to contaminate ground water system. Advise authorities if product has entered or may enter seweres, water sources or extensive land areas. Do not flush with water.

Clean-up methods: Evacuate personnel to safe areas. Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. Remove all sources of ignition. Dike spill using soil, sand, or compatible commercial absorbent. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Keep away from heat, spark and flame. 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. When using, do not eat, drink or smoke. Make sure containers are properly grounded before use or transfer of material. Do not reuse container.

Storage: Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

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: General room ventilation is usually adequate. Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.

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

Skin protection: Chemical resistant, impermeable gloves. Silver Shield gloves. Viton gloves.

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

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Clear Colorless
Odor: Napthalenic
Vapor pressure: 5.3 mmHg @20°C (68° F)
pH: Not applicable
Boiling point/range: 139°C (282°F)
Melting point/range: -36°C (-33°F)
Specific gravity: 1.34
Vapor density: 6.2
Evaporation rate: 0.9 (Butyl acetate = 1)
Solubility in water: 25 ppm at 23°C (43.4°F)
Partition coefficient (n-octanol/water): Log Kow = 3.70
VOC content: Negligible

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Toxic fluorides. Toxic chlorides.

Incompatability: Oxidizing agents.

Conditions to avoid: Storage with incompatible materials. Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute oral LD50 >6800 mg/kg (rat). Acute dermal LD50 >2700 mg/kg (rabbit). Acute inhalation LC50 4479 ppm (rat).

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Chlorobenzotrifluoride 98-56-6	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Chlorobenzotrifluoride 98-56-6	Adrenals, Blood, Central nervous system, Immune system, Irritant, Kidney, Liver, Lung, Skin, Thyroid

12. ECOLOGICAL INFORMATION

Ecological information: LC50 (96 hr.) Rainbow Trout = 13.5 mg/L; LC50 (96 hr.) Bluegill Sunfish = 12.0 mg/L; MATC (31 day) Fathead minnow >0.54 mg/L,<1.4 mg/L; BCF (48 hr.) Bluegill Sunfish = 128.8 & 202.0; LC50 (48 hr.) Water Flea = 12.4 mg/L; MATC (21 day) Water Flea = >0.03 mg/L,<0.05 mg/L; IC50 (72 hr.) Green & Blue-Green Algae = 500 mg/L.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

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

EPA hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

International Air Transportation (ICAO/IATA):

Proper shipping name:	Chlorobenzotrifluorides
Hazard class or division:	3
Identification number:	UN2234
Packing group:	III
Exceptions:	(Not more than 500 ml) Consumer Commodity, ID 8000, Class 9

WaterTransportation (IMO/IMDG):

Proper shipping name:	Chlorobenzotrifluorides
Hazard class or division:	3
Identification number:	UN2234
Packing group:	III
Exceptions:	Limited quantity (Not more than 5 L)

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

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

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: B.3, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Corrected information in Section(s) 14.

Prepared by: Regulatory Affairs

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