



Revision Number: 001.2

Issue date: 12/30/2009

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Fixmaster Flex Cleaner  
**Product type:** Solvent

**IDH number:** 233307  
**Item number:** 39636  
**Region:** United States

**Company address:**  
 Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**Contact information:**  
 Telephone: 860.571.5100  
 Emergency telephone: 860.571.5100  
 Internet: www.henkelna.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b>	Liquid	<b>HEALTH:</b>	*2
<b>Color:</b>	Clear, Colorless	<b>FLAMMABILITY:</b>	2
<b>Odor:</b>	Napthalenic	<b>PHYSICAL HAZARD:</b>	1
<b>WARNING:</b>		<b>Personal Protection:</b>	See MSDS Section 8
COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.			

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

### Potential Health Effects

<b>Inhalation:</b>	Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness. May cause respiratory tract irritation. Chronic inhalation may cause liver damage.
<b>Skin contact:</b>	May cause skin irritation.
<b>Eye contact:</b>	Mild eye irritation.
<b>Ingestion:</b>	May cause damage to the lining of the gastrointestinal tract. Ingestion of large amounts may cause liver damage.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders. Liver disorders.

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

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
p-Chloro-a,a,a-trifluorotoluene	98-56-6	60 - 100

## 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. Get medical attention. Wash clothing before reuse.

<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Get medical attention. In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	42.8 °C (109.04 °F) Tagliabue closed cup
<b>Autoignition temperature:</b>	> 500 °C (932°F)
<b>Flammable/Explosive limits - lower:</b>	0.9 %
<b>Flammable/Explosive limits - upper:</b>	10.5 %
<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Keep unnecessary personnel away. In case of fire, keep containers cool with water spray.
<b>Unusual fire or explosion hazards:</b>	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.
<b>Hazardous combustion products:</b>	Toxic chlorides. Toxic fluorides.

## 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. Do not flush with water.
<b>Clean-up methods:</b>	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. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe 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 the empty container.
<b>Storage:</b>	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

**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
p-Chloro-a,a,a-trifluorotoluene	None	None	None	None

<b>Engineering controls:</b>	General room ventilation is usually adequate. Use local exhaust ventilation if the potential for airborne exposure exists.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Silver Shield gloves. Viton gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Clear, Colorless
<b>Odor:</b>	Napthalenic
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Vapor pressure:</b>	5.3 mm hg
<b>Boiling point/range:</b>	139 °C (282.2 °F)
<b>Melting point/ range:</b>	-36 °C (-32.8 °F)
<b>Specific gravity:</b>	1.34
<b>Vapor density:</b>	6.2
<b>Flash point:</b>	42.8 °C (109.04 °F) Tagliabue closed cup
<b>Flammable/Explosive limits - lower:</b>	0.9 %
<b>Flammable/Explosive limits - upper:</b>	10.5 %
<b>Autoignition temperature:</b>	> 500 °C (932°F)
<b>Evaporation rate:</b>	0.9 (Butyl acetate = 1)
<b>Solubility in water:</b>	Not available
<b>Partition coefficient (n-octanol/water):</b>	3.7
<b>VOC content:</b>	Negligible

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Toxic fluorides. Toxic chlorides.
<b>Incompatible materials:</b>	Oxidizing agents.
<b>Conditions to avoid:</b>	Store away from incompatible materials. Keep away from open flames, hot surfaces and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute oral product toxicity:</b>	LD50 (rat) > 6,800 mg/kg
<b>Acute dermal product toxicity:</b>	LD50 (rabbit) > 2,700 mg/kg
<b>Acute inhalation product toxicity:</b>	LC50 (rat) 4479 ppm

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
p-Chloro-a,a,a-trifluorotoluene	No	No	No

Hazardous components	Health Effects/Target Organs
p-Chloro-a,a,a-trifluorotoluene	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, 0.03 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.

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

## 14. TRANSPORT INFORMATION

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

**Proper shipping name:** Combustible liquid, n.o.s.  
**Hazard class or division:** Combustible Liquid  
**Identification number:** NA 1993  
**Packing group:** III

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Chlorobenzotrifluorides  
**Hazard class or division:** 3  
**Identification number:** UN 2234  
**Packing group:** III

### Water Transportation (IMO/IMDG)

**Proper shipping name:** CHLOROBENZOTRIFLUORIDES  
**Hazard class or division:** 3  
**Identification number:** UN 2234  
**Packing group:** III

## 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 above reporting de minimus  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimus  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Fire  
**CERCLA/SARA 313:** None above reporting de minimus  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.  
**WHMIS hazard class:** B.3, 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:** Gary Pierson, Manager, Regulatory Affairs

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