



Revision Number: 004.1

Issue date: 10/13/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Loctite(R) Fixmaster(R) Etching Agent	IDH number:	235638
Product type:	Primer	Item number:	99626
		Region:	United States
Company address:	Contact information:		
Henkel Corporation	Telephone: 860.571.5100		
One Henkel Way	MEDICAL EMERGENCY Phone: Poison Control Center		
Rocky Hill, Connecticut 06067	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		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Liquid	HEALTH:	*2
Color:	Clear, Colorless	FLAMMABILITY:	3
Odor:	Ester-like, Sweet	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8
WARNING:	FLAMMABLE LIQUID AND VAPOR. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.		

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

Potential Health Effects

Inhalation:	May cause respiratory tract irritation. High Concentrations of vapors may cause harmful effects. Symptoms usually occur at air concentrations above the recommended exposure limits. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.
Skin contact:	May cause skin irritation. Repeated or prolonged contact can result in drying of skin. Redness. Burning sensation. Passage through skin is possible but harmful effects are unlikely during safe handling and use.
Eye contact:	Mild eye irritation. Redness. Stinging. Tearing.
Ingestion:	Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.

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

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	%
Ethyl acetate	141-78-6	60 - 100

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
Skin contact:	Wash with soap and water. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. If symptoms develop and persist, get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	-4 °C (24.8 °F)
Autoignition temperature:	485 °C (905°F)
Flammable/Explosive limits - lower:	2.2 %
Flammable/Explosive limits - upper:	10.7 %
Extinguishing media:	Carbon dioxide. Dry chemical. Foam.
Special firefighting procedures:	Use water spray to keep fire exposed containers cool and disperse vapors.
Unusual fire or explosion hazards:	Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
Hazardous combustion products:	Oxides of carbon. Hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions:	Ventilate area. Contain spill.
Clean-up methods:	Remove all sources of ignition. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full. Make sure containers are properly grounded before use or transfer of material. Keep container closed. Avoid contact with eyes, skin and clothing.
Storage:	Keep in a cool, well ventilated area. Store in original container until ready to 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
Ethyl acetate	400 ppm TWA	400 ppm (1,400 mg/m ³) TWA	None	None

Engineering controls: Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection: Use a NIOSH approved respirator if ventilation is inadequate. Observe OSHA regulations for respiratory use (29 CFR 1910.134).

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

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Clear, Colorless
Odor: Ester-like, Sweet
Odor threshold: Not available
pH: Not available
Vapor pressure: 76 mm hg (20 °C (68°F))
Boiling point/range: 75.5 °C (167.9 °F)
Melting point/ range: -82.7 °C (-116.9 °F)
Specific gravity: 0.902
Vapor density: 3
Flash point: -4 °C (24.8 °F)
Flammable/Explosive limits - lower: 2.2 %
Flammable/Explosive limits - upper: 10.7 %
Autoignition temperature: 485 °C (905°F)
Evaporation rate: 4.1 (Butyl acetate = 1)
Solubility in water: Partially soluble
Partition coefficient (n-octanol/water): 5.47 (Log Kow)
VOC content: 100 %; 902 g/l

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: None under normal use.

Incompatible materials: Oxidizing agents. Strong bases. Strong acids.

Conditions to avoid: Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl acetate	No	No	No

Hazardous components	Health Effects/Target Organs
Ethyl acetate	Blood, Central nervous system, Irritant

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: Ethyl acetate
Hazard class or division: 3
Identification number: UN 1173
Packing group: II

International Air Transportation (ICAO/IATA)

Proper shipping name: Ethyl acetate
Hazard class or division: 3
Identification number: UN 1173
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: ETHYL ACETATE
Hazard class or division: 3
Identification number: UN 1173
Packing group: II
Exceptions: Limited quantity (Not more than 5 kg).

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: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

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

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.