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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) Fixmaster(R) Etching Agent
Product type: Primer
Company address:
 Henkel Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

Item No. : 99626 / IDH No. 235638
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>
Ethyl acetate 141-78-6	60-100	400 ppm TWA	1400 mg/m ³ TWA 400 ppm TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Clear Colorless
Odor: Sweet, Ester-like

HEALTH: 2*
FLAMMABILITY: 3
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

WARNING: FLAMMABLE LIQUID AND VAPOR.
 MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

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

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.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Wash with soap and water. Get medical attention if symptoms develop and persist. Wash clothing before reuse.
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. Get medical attention if symptoms develop and persist.

5. FIRE-FIGHTING MEASURES

Flash point:	-4.4°C (24°F) Tagliabue closed cup
Autoignition temperature:	485°C (905°F)
Flammable/Explosive limits-lower %:	2.2 %
Flammable/Explosive limits-upper %:	10.7 %
Extinguishing media:	Carbon dioxide (CO2). Dry chemical. Foam.
Special fire fighting 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

Environmental precautions:	Ventilate area. Contain spill.
Clean-up methods:	Remove all sources of ignition. Soak up with inert absorbent. Keep in suitable and closed containers for 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.
Incompatible products:	Do not store with oxidizing materials.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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).
Skin protection:	Chemical resistant, impermeable 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: Sweet, Ester-like
Vapor pressure: 76 mmHg @20°C (68° F)
pH: Not applicable
Boiling point/range: 75.5°C (168°F)
Melting point/range: -82.7°C (-117°F)
Specific gravity: 0.902
Vapor density: 3
Evaporation rate: 4.10 (Butyl acetate = 1)
Solubility in water: Partly soluble
Partition coefficient (n-octanol/water): Log Kow = 5.47
VOC content: 100%; 902 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Hazardous decomposition products: None under normal use.
Incompatibility: Strong acids. Strong bases. Oxidizing agents.
Conditions to avoid: Storage with incompatible materials.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Ethyl acetate 141-78-6	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Ethyl acetate 141-78-6	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: Dispose of according to Federal, State and local governmental regulations.

EPA 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
Exceptions: Consumer Commodity (Not more than 1 Liter)

International Air Transportation (ICAO/IATA):

Proper shipping name: Ethyl acetate
Hazard class or division: 3
Identification number: UN1173
Packing group: II
Exceptions: May Qualify as Consumer Commodity (Not more than 500ml)

WaterTransportation (IMO/IMDG):

Proper shipping name: Ethyl acetate
Hazard class or division: 3
Identification number: UN1173
Packing group: II
Exceptions: Limited quantity (Not more than 5 kg)
Marine pollutant: 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, Delayed Health Hazard, Fire
CERCLA/SARA 313: None above reporting de minimus.

California Proposition 65: This product contains a chemical known to the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the 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: 15

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