



Revision Date: 06/30/2003

Print date: 06/30/2003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) Color Guard(R) Blue Tough Rubber Coating
Item number: 34982
Product type: Coating
Region: United States
Company address:
Henkel Loctite Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067
Telephone: (860) 571-5100
Emergency telephone: (860) 571-5100

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Light aliphatic solvent naphtha 64742-89-8	30-60	None	None	None
n-Hexane 110-54-3	10-30	1000 ppm STEL 50 ppm TWA 500 ppm TWA (skin)	1800 mg/m ³ TWA 500 ppm TWA	None
Xylene 1330-20-7	10-30	100 ppm TWA 150 ppm STEL	100 ppm TWA 435 mg/m ³ TWA	None
Acetone 67-64-1	5-10	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m ³ TWA	None
Ethyl benzene 100-41-4	1-5	100 ppm TWA 125 ppm STEL	100 ppm TWA 435 mg/m ³ TWA	None
Silica, amorphous, fumed, crystalline-free 112945-52-5	1-5	6 mg/m ³ TWA	10 mg/m ³ TWA	3 mg/m ³ TWA respirable dust

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid	HEALTH:	2
Color: Blue	FLAMMABILITY:	3
Odor: Solvent	PHYSICAL HAZARD:	Not available
	Personal Protection:	See Section 8

DANGER: EXTREMELY FLAMMABLE.
MAY BE HARMFUL IF INHALED.

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

Potential Health Effects

Item number: 34982

Product name: Loctite(R) Color Guard(R) Blue Tough Rubber Coating
1 of 5

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged exposure to solvents may cause adverse effects to the liver, urinary, and reproductive systems.

Skin contact: Contact may dry the skin; prolonged contact may cause moderate irritation.

Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.

Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure: Heart disease. Liver disease. Kidney disease. Lung disorders. Skin disorders.

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: Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. Get medical attention if symptoms develop and persist.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Do not induce vomiting. Keep individual calm. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop and persist.

Notes to physician: None.

5. FIRE-FIGHTING MEASURES

Flash point: -23°C (-10°F) Tagliabue open cup

Autoignition temperature: Not applicable

Flammable/Explosive limits-lower %: 0.9

Flammable/Explosive limits-upper %: 12.8

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: Do not store or use near heat, spark, open flame or other sources of ignition.

Hazardous combustion products: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: None known

Clean-up methods: Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Prevent product from entering drains. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Do not breathe mist or vapors. Keep away from heat, spark and flame.
Storage:	For safe storage, store at or below 48°C (120°F). Keep in a cool, well ventilated area. Keep away from heat, sparks and flame.
Incompatible products:	Strong acids or bases. Oxidizing agents. Water, amines, strong bases, and alcohols. Alkalis. Halogens.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
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:	Blue
Odor:	Solvent
Vapor pressure:	185 mmHg at 20 °C (68 °F)
pH:	Not applicable
Boiling point/range:	56.1-141.1°C (133-286°F)
Melting point/range:	Not available
Specific gravity:	0.79-0.83
Vapor density:	Heavier than air Greater than 1
Evaporation rate:	Greater than butyl acetate. (Butyl acetate = 1)
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	65.0%-67.0%

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	None
Incompatibility:	Strong acids and strong bases. Oxidizing agents. Amines. Alkali metals Halogenated compounds.
Conditions to avoid:	Storage with incompatible materials. Heat, fumes, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Light aliphatic solvent naphtha	No	No	No
n-Hexane	No	No	No
Xylene	No	No	No
Acetone	No	No	No
Ethyl benzene	No	Group 2B	No
Silica, amorphous, fumed, crystalline-free	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Light aliphatic solvent naphtha	Irritant
n-Hexane	Developmental, Irritant, Lung, Nervous System, Reproductive
Xylene	Cardiac, Central nervous system, Irritant, Kidney, Liver
Acetone	Blood, Central nervous system, Irritant, Reproductive
Ethyl benzene	Central nervous system, Irritant
Silica, amorphous, fumed, crystalline-free	Nuisance dust

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with Federal, State and local 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: Coating solution
Hazard class or division: 3
Identification number: UN 1139
Packing group: II
Exceptions: (Not more than 1 L) Consumer Commodity ORM-D
Marine pollutant: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Coating solution
Hazard class or division: 3
Identification number: UN 1139
Packing group: II
Exceptions: (Not more than 500 ml) Consumer Commodity ID8000

Water Transportation (IMO/IMDG):

Proper shipping name: Coating solution
Hazard class or division: 3
Identification number: UN 1139
Packing group: II
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 5 (a) (2) SNUR: None.
TSCA 12 (b) Export Notification: Acetone (CAS# 67-64-1).

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Ethyl Benzene (CAS# 100-41-4). n-Hexane (CAS# 110-54-3). Xylene (CAS# 1330-20-7).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer, 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: 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: Rajal Dhruva, Health and Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Loctite Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Loctite Corporation has no control. It is the user's responsibility to determine the suitability of Henkel Loctite'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 Loctite Corporation's products. In light of the foregoing, Henkel Loctite 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 Loctite Corporation's products. Henkel Loctite Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.