LOCTITE®

Material Safety Data Sheet

Henkel Technologies

Revision Date: 12/13/2005 **Issue date:** 12/13/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Color Guard® Black Tough Rubber Coating
Product type: Coating
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 34979
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Light aliphatic solvent naphtha 64742-89-8	30-60	None	None	None
n-Hexane 110-54-3	10-30	1000 ppm STEL other than n-hexane 50 ppm TWA 500 ppm TWA other than n-hexane (skin)	1800 mg/m³ TWA 500 ppm TWA	None
Xylene 1330-20-7	10-30	100 ppm TWA 150 ppm STEL	100 ppm TWA 435 mg/m³ TWA	None
Acetone 67-64-1	5-10	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m³ TWA	None
Ethyl benzene 100-41-4	1-5	100 ppm TWA 125 ppm STEL	100 ppm TWA 435 mg/m³ TWA	None
Silica, amorphous, fumed, crystalline-free 112945-52-5	1-5	6 mg/m³ TWA	10 mg/m³ TWA	3 mg/m³ TWA respirable dust
Carbon black 1333-86-4	0.1-1	3.5 mg/m³ TWA	3.5 mg/m³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid
Color: Black
Odor: Solvent

HEALTH: 2*
FLAMMABILITY: 3
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

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 %:	1.0
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 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:	Black
Odor:	Solvent
Vapor pressure:	185 mmHg at 20 ºC (68 °F)
pH:	Not applicable
Boiling point/range:	56.1-141.1°C (133-286°F)
Melting point/range:	Not available
Specific gravity:	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:	67.0%; 556 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: None

Incompatability: Strong acids and strong bases. Oxidizing agents. Amines. Alkali metals. Halogenated compounds.

Conditions to avoid: Storage with incompatible materials. Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Light aliphatic solvent naphtha 64742-89-8	No	No	No
n-Hexane 110-54-3	No	No	No
Xylene 1330-20-7	No	No	No
Acetone 67-64-1	No	No	No
Ethyl benzene 100-41-4	No	Group 2B	Yes
Silica, amorphous, fumed, crystalline-free 112945-52-5	No	No	No
Carbon black 1333-86-4	No	Group 2B	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Light aliphatic solvent naphtha 64742-89-8	Irritant
n-Hexane 110-54-3	Developmental, Irritant, Lung, Nervous System, Reproductive
Xylene 1330-20-7	Cardiac, Central nervous system, Irritant, Kidney, Liver
Acetone 67-64-1	Blood, Central nervous system, Irritant, Reproductive
Ethyl benzene 100-41-4	Central nervous system, Irritant
Silica, amorphous, fumed, crystalline-free 112945-52-5	Nuisance dust
Carbon black 1333-86-4	Respiratory, Some evidence of carcinogenicity

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 5 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: UN1139
Packing group: II
Exceptions: (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

WaterTransportation (IMO/IMDG):

Proper shipping name:	Coating solution
Hazard class or division:	3
Identification number:	UN1139
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:	None.
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 and 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: This material safety data sheet contains changes from the previous version in section(s): 3,14

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