

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Color Guard(R) Tough Rubber Coating - Clear  
 Item No.: 81882  
 Part No.: 81882  
 Product Type: Solvent Based Coating Material.

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Hydrotreated heavy naphtha	64742-48-9	30-35
Thermoplastic rubber	66070-58-4	25-30
n-HEXANE*	110-54-3	15-20
TOLUENE*	108-88-3	15-20
METHYL ETHYL KETONE*	78-93-3	5-10

\* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Hydrotreated heavy naphtha	None	None	300 ppm
n-HEXANE	50 ppm TWA (skin)	500 ppm TWA 1800 mg/M3	None
TOLUENE	50 ppm skin 188 mg/M3 skin	100 ppm 375 mg/M3	None
METHYL ETHYL KETONE	200 ppm TWA 590 mg/m3	200 ppm TWA 590 mg/m3	None

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
TOLUENE	None	150 ppm 560 mg/M3
METHYL ETHYL KETONE	300 ppm 885 mg/m3	300 ppm 885 mg/m3

3. HAZARDS IDENTIFICATION

Toxicity: Brain and nervous system damage. Drying or cracking skin.  
 Primary Routes of Entry: Inhalation, ingestion, eye and skin contact.  
 Signs and Symptoms of Exposure: Headache, dizziness, fatigue, drowsiness, irregular heartbeat, skin and eye irritation.  
 Existing Conditions Aggravated by Exposure: Toluene: Eye, liver, skin, respiratory, and central nervous system diseases, and alcoholism.  
 Heart, kidney, and lung disorders.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Hydrotreated heavy naphtha	NTO	NO	NO	NO
Thermoplastic rubber	No Data	NO	NO	NO
n-HEXANE	DEV IRR LUN NER REP	NO	NO	NO
TOLUENE	BEH CAR CNS DEV EAR IRR	NO	NO	NO
METHYL ETHYL KETONE	CNS IRR	NO	N/A	NO

Abbreviations

N/A Not Applicable  
 CAR Cardiac  
 DEV Developmental  
 IRR Irritant  
 NER Nervous System  
 REP Reproductive  
 BEH Behavioral  
 CNS Central nervous system  
 EAR Ear  
 LUN Lung  
 NTO No Target Organs

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3. HAZARDS IDENTIFICATION

(continued)

Other possible target organs: Cardiovascular system, kidney, skin, liver, lung, respiratory system, and central and peripheral nervous systems.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.  
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention. Administer oxygen or artificial respiration if necessary.  
Skin Contact: Wash with soap and water.  
Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Less than 2°F Method: Tag Closed Cup  
Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical.

Self contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode should be used when confronted with large fires.

Special Firefighting Procedures: Not available  
Hazardous Products formed by Fire or Thermal Decomp Oxides of carbon.  
Unusual Fire or Explosion Hazards: This material is flammable and may be ignited by heat, sparks, flame or static electricity.

Explosive Limits:  
{% by volume in air} Lower 1.0%  
{% by volume in air} Upper 11.5%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Remove sources of ignition. Maintain adequate ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store below 120°F in closed container.  
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)  
Handling: Keep away from eyes. Avoid prolonged breathing of vapors or prolonged skin contact. Keep away from sparks, flames, or high heat sources.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Chemical splash goggles.  
Skin: Impervious rubber or plastic gloves recommended. Impervious clothing or boots as needed.  
Ventilation: Sufficient to maintain vapor concentration below TLV.  
Respiratory: NIOSH/MSHA approved organic vapor cartridge respirator if indicated.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid  
Odor: Moderate  
Boiling Point: 151-300°F  
pH: Does not apply  
Solubility in Water: Insoluble

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9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

Specific Gravity 0.93  
Volatile Organic Compound (EPA Method 24) 74%; 5.3 pounds/gallon.  
Vapor Pressure: 118mm Hg  
Vapor Density: 2.5 to 4.1  
Evaporation Rate (Ether = 1) 2.5

10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Strong acids, bases, oxidizing agents, selected amines with alkali metals and halogens.  
Conditions to Avoid: Not available  
Hazardous Decomposition Products (non-thermal): Oxides of carbon, formic acid, dimethylamine, peroxides.

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.  
EPA Hazardous Waste Number: D001/D035 - Hazardous waste per 40CFR 261.21 and a TCLP waste per 261.24/Methyl Ethyl Ketone.

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)  
Domestic Ground Transport  
Proper Shipping Name: Consumer Commodity (Not more than one liter);  
Coating solution (More than one liter)  
Hazard Class or Division: ORM-D (Not more than one liter);  
Class 3, Packing Group II (More than one liter)  
Identification Number: None (Not more than one liter);  
UN 1139 (More than one liter)  
Marine Pollutant: None  
IATA  
Proper Shipping Name: Coating Solution  
Class or Division: Class 3, Packing Group II  
UN or ID Number: UN 1139

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.  
Toluene

16. OTHER INFORMATION

Estimated NFPA(R) Code:  
Health Hazard: 2  
Fire Hazard: 3  
Reactivity Hazard: 0  
Specific Hazard: None  
Estimated HMIS(R) Code:  
Health Hazard: 2  
Flammability Hazard: 3  
Reactivity Hazards: 1

HENKEL LOCTITE CORPORATION 1001 TROUT BROOK CROSSING ISSUED 8/20/02  
ROCKY HILL, CT 06067-3910 10:10:33  
EMERGENCY PHONE: (860) 571-5100 FAX: (860) 571-5465

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16. OTHER INFORMATION (continued)

Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

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