



Revision Number: 003.1

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## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	<b>Color Guard® Red Tough Rubber Coating</b>	<b>IDH number:</b>	338130
<b>Product type:</b>	Coating	<b>Item number:</b>	34985
<b>Company address:</b>	<b>Contact information:</b>		
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 Emergency telephone:		
	860.571.5100		
	Internet: www.henkelna.com		

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b>	liquid	<b>HMIS:</b>	
<b>Color:</b>	Red	<b>HEALTH:</b>	*2
<b>Odor:</b>	Solvent	<b>FLAMMABILITY:</b>	3
		<b>PHYSICAL HAZARD:</b>	1
		<b>Personal Protection:</b>	See MSDS Section 8

**DANGER:** EXTREMELY FLAMMABLE LIQUID AND VAPOR.  
MAY BE HARMFUL IF SWALLOWED OR INHALED.  
MAY CAUSE EYE AND RESPIRATORY TRACT IRRITATION.

**Relevant routes of exposure:** Skin, Inhalation, Eyes, 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. Contact with eyes will cause irritation.

**Ingestion:** May be harmful if swallowed.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders. Heart disease. Pulmonary diseases. Kidney disease.

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	%
Solvent naphtha, petroleum, light aliph.	64742-89-8	30 - 60
n-Hexane	110-54-3	10 - 30
Xylenes	1330-20-7	10 - 30
Acetone	67-64-1	5 - 10
Calcium carbonate	471-34-1	5 - 10
Ethylbenzene	100-41-4	1 - 5
Toluene	108-88-3	0 - 0.1
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5
1-(4-methyl-2-nitrophenylazo)-2-naphthol	2425-85-6	0.1 - 1
Hydrocarbon aliphatic aromatic naphthenic C9-12	64742-88-7	0.1 - 1
Benzene	71-43-2	0 - 0.1

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical attention.

### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	-23 °C (-9.4 °F)
<b>Autoignition temperature:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	1 %
<b>Flammable/Explosive limits - upper:</b>	12.8 %
<b>Extinguishing media:</b>	Foam, extinguishing powder, carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) can be released. In case of fire, keep containers cool with water spray.
<b>Hazardous combustion products:</b>	Oxides of carbon, oxides of nitrogen, irritating organic vapors.

### 6. ACCIDENTAL RELEASE MEASURES

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

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
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**Clean-up methods:**

Remove all sources of ignition. Ensure adequate ventilation. Soak up with inert absorbent. Do not empty into drains / surface water / ground water. Store in a closed container until ready for disposal. Remove all sources of ignition. Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal.

## 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with skin and clothing. Avoid breathing vapors or mists of this product. Keep away from heat, spark and flame.

**Storage:**

For safe storage, store at or below 48 °C (118.4 °F)  
Keep in a cool, well ventilated area away from heat, sparks and open flame.  
Keep container tightly closed until ready for 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
Solvent naphtha, petroleum, light aliph.	None	None	None	None
n-Hexane	(SKIN) 50 ppm TWA	500 ppm (1,800 mg/m <sup>3</sup> ) TWA	None	None
Xylenes	100 ppm TWA 150 ppm STEL	100 ppm (435 mg/m <sup>3</sup> ) TWA	None	None
Acetone	500 ppm TWA 750 ppm STEL	1,000 ppm (2,400 mg/m <sup>3</sup> ) TWA	None	None
Calcium carbonate	10 mg/m <sup>3</sup> TWA Total dust.	5 mg/m <sup>3</sup> TWA Respirable fraction. 15 mg/m <sup>3</sup> TWA Total dust.	None	None
Ethylbenzene	20 ppm TWA	100 ppm (435 mg/m <sup>3</sup> ) TWA	None	None
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m <sup>3</sup> TWA Inhalable dust. 3 mg/m <sup>3</sup> TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m <sup>3</sup> TWA	None	None
1-(4-methyl-2-nitrophenylazo)-2-naphthol	None	None	None	None
Hydrocarbon aliphatic aromatic naphthenic C9-12	100 ppm TWA	500 ppm (2,900 mg/m <sup>3</sup> ) TWA	None	None
Benzene	0.5 ppm TWA 2.5 ppm STEL (SKIN)	1 ppm TWA 5 ppm STEL 0.5 ppm OSHA ACT 10 ppm TWA 25 ppm Ceiling 50 ppm MAX. CONC 10 minutes 29 CFR 1910.1028	None	None

**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).

**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:** Red  
**Odor:** Solvent  
**Odor threshold:** Not available.  
**pH:** Not available.  
**Vapor pressure:** 185 mm hg (20 °C (68°F))  
**Boiling point/range:** 56.1 - 141.1 °C (133°F - 286°F)  
**Melting point/ range:** Not available.  
**Specific gravity:** 0.83  
**Specific gravity:** 0.83  
**Vapor density:** > 1  
**Flash point:** -23 °C (-9.4 °F)  
**Flammable/Explosive limits - lower:** 1 %  
**Flammable/Explosive limits - upper:** 12.8 %  
**Autoignition temperature:** Not available.  
**Evaporation rate:** Greater than butyl acetate.  
**Solubility in water:** Insoluble  
**Solubility in water:** Insoluble  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** 67.0 %; 556 g/l

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** None

**Incompatible materials:** Strong acids and strong bases. Strong oxidizing agents. Amines. Alkali metals. Halogenated compounds.

**Conditions to avoid:** Store away from incompatible materials. Heat, flames, sparks and other sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Solvent naphtha, petroleum, light aliph.	No	No	No
n-Hexane	No	No	No
Xylenes	No	No	No
Acetone	No	No	No
Calcium carbonate	No	No	No
Ethylbenzene	No	Group 2B	No
Toluene	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
1-(4-methyl-2-nitrophenylazo)-2-naphthol	No	No	No
Hydrocarbon aliphatic aromatic naphthenic C9-12	No	No	No
Benzene	Known To Be Human Carcinogen.	Group 1	Yes

Hazardous components	Health Effects/Target Organs
Solvent naphtha, petroleum, light aliph.	Irritant
n-Hexane	Developmental, Irritant, Lung, Nervous System, Reproductive
Xylenes	Cardiac, Central nervous system, Irritant, Kidney, Liver
Acetone	Blood, Central nervous system, Irritant, Reproductive
Calcium carbonate	Nuisance dust
Ethylbenzene	Irritant, Central nervous system
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant
Silica, amorphous, fumed, crystal-free	Nuisance dust
1-(4-methyl-2-nitrophenylazo)-2-naphthol	Blood, Irritant
Hydrocarbon aliphatic aromatic naphthenic C9-12	Central nervous system, Irritant
Benzene	Blood, Bone Marrow, Carcinogen, Immune system, Irritant, Mutagen, Nervous System

## 12. ECOLOGICAL INFORMATION

### Ecological information:

Do not empty into drains / surface water / ground water. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

## 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

The shipping classifications in this sections 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

### International Air Transportation (ICAO/IATA)

Proper shipping name: Coating solution  
Hazard class or division: 3  
Identification number: UN 1139  
Packing group: II

### Water Transportation (IMO/IMDG)

Proper shipping name: COATING SOLUTION  
Hazard class or division: 3  
Identification number: UN 1139  
Packing group: II

## 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:**

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). Ethylbenzene (CAS# 100-41-4). n-Hexane (CAS# 110-54-3). Xylenes (CAS# 1330-20-7).

**California Proposition 65:**

This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information****CEPA DSL/NDL 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.

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