



Revision Number: 002.2

Issue date: 09/14/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Loctite(R) Heavy Duty Rubberized Undercoating	IDH number:	234926
Product type:	Coating	Item number:	30538
Company address:	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	Region:	United States
		Contact information:	Telephone: 860.571.5100 MEDICAL EMERGENCY Phone: Poison Control Center 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 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Aerosol, Liquid	HEALTH:	2
Color:	Black	FLAMMABILITY:	4
Odor:	Solvent	PHYSICAL HAZARD:	2
		Personal Protection:	See MSDS Section 8

DANGER: EXTREMELY FLAMMABLE.
CONTENTS UNDER PRESSURE.
HARMFUL IF SWALLOWED OR INHALED.

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects

Inhalation: Moderate respiratory tract irritation. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. Overexposure may cause nervous system depression. Continued exposure may cause increased light-headedness, staggering, unconsciousness and even death. 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: Irritating to skin. Itching. Redness. Burning sensation.

Eye contact: Redness. Burning sensation.

Ingestion: Extreme overexposure may result in unconsciousness and possibly death.

Existing conditions aggravated by exposure: None

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	%
Calcium carbonate	471-34-1	10 - 30
Hydrocarbon aliphatic aromatic naphthenic C9-12	64742-88-7	10 - 30
Propane	74-98-6	5 - 10
Asphalt	8052-42-4	5 - 10
Butane	106-97-8	5 - 10
Kaolin	1332-58-7	5 - 10
Methanol	67-56-1	1 - 5
Sodium benzoate	532-32-1	0.1 - 1
Toluene	108-88-3	0.1 - 1
Carbon black	1333-86-4	0.1 - 1
Ammonium hydroxide	1336-21-6	0.1 - 1

Non hazardous components

Water 30-50%

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	< 0 °C (< 32°F) ; (value for propellant).
Flashback:	This product exhibits flashback when tested for flame extension.
Flame projection:	76 cm (29.92 inch)
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	1 %
Flammable/Explosive limits - upper:	36.5 %
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water spray may be ineffective. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Unusual fire or explosion hazards:	Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Do not allow product to enter sewer or waterways.

Clean-up methods: Remove all sources of ignition. Ventilate area. 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: Not available

Storage: Not available

Shelf Life Statement: Not available

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
Calcium carbonate	10 mg/m3 TWA Total dust.	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Hydrocarbon aliphatic aromatic naphthenic C9-12	100 ppm TWA	500 ppm (2,900 mg/m3) TWA	None	None
Propane	1,000 ppm TWA	1,000 ppm (1,800 mg/m3) TWA	None	None
Asphalt	0.5 mg/m3 TWA (as benzene solubles) Inhalable fraction.	None	None	None
Butane	1,000 ppm TWA	None	None	None
Kaolin	2 mg/m3 TWA Respirable fraction.	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Methanol	200 ppm TWA (SKIN) 250 ppm STEL	200 ppm (260 mg/m3) TWA	None	None
Sodium benzoate	None	None	None	None
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
Carbon black	3.5 mg/m3 TWA	3.5 mg/m3 TWA	None	None
Ammonium hydroxide	25 ppm TWA 35 ppm STEL	50 ppm (35 mg/m3) TWA	None	None

Engineering controls: Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

Respiratory protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH for dust which may be generated from this product, underlying paint, or the abrasive.

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol, Liquid
Color: Black
Odor: Solvent
Odor threshold: Not available
pH: Not available
Vapor pressure: Not available
Boiling point/range: > -18 - 201 °C (> 0.4 - 393.8 °F)
Melting point/ range: Not available
Specific gravity: 0.98
Vapor density: Heavier than air.
Flash point: < 0 °C (< 32°F) ; (value for propellant).
Flashback: This product exhibits flashback when tested for flame extension.
Flame projection: 76 cm (29.92 inch)
Flammable/Explosive limits - lower: 1 %
Flammable/Explosive limits - upper: 36.5 %
Autoignition temperature: Not available
Evaporation rate: Faster than ether., (Ether = 1)
Solubility in water: Not available
Partition coefficient (n-octanol/water): Not available
VOC content: 28.47 %

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous reactions: Will not occur.
Hazardous decomposition products: None
Incompatible materials: None
Conditions to avoid: None known

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Some animal studies with poor controls have indicated that Bitumens (Asphalt) causes tumors, however, there is inadequate evidence that Bitumens alone is carcinogenic to humans., Prolonged overexposure to solvent ingredients in section 2 may cause adverse effects to the liver, urinary, and reproductive systems., Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Calcium carbonate	No	No	No
Hydrocarbon aliphatic aromatic naphthenic C9-12	No	No	No
Propane	No	No	No
Asphalt	No	Group 2B	No
Butane	No	No	No
Kaolin	No	No	No
Methanol	No	No	No
Sodium benzoate	No	No	No
Toluene	No	No	No
Carbon black	No	Group 2B	No
Ammonium hydroxide	No	No	No

Hazardous components	Health Effects/Target Organs
Calcium carbonate	Nuisance dust
Hydrocarbon aliphatic aromatic naphthenic C9-12	Central nervous system, Irritant
Propane	Cardiac, Central nervous system, Irritant
Asphalt	Central nervous system, Irritant, Respiratory
Butane	Cardiac, Central nervous system, Irritant
Kaolin	Nuisance dust
Methanol	Eyes, Heart, Irritant, Kidney, Liver, Metabolic, Nervous System, Reproductive
Sodium benzoate	Metabolic
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant
Carbon black	Respiratory, Some evidence of carcinogenicity
Ammonium hydroxide	Irritant, Corrosive

12. ECOLOGICAL INFORMATION

Ecological information: Not available

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: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

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: Aerosols
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: 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 above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus

CERCLA/SARA Section 311/312: Immediate Health, Delayed Health, Sudden Release, 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). Methanol (CAS# 67-56-1).

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/NDSL Status:

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

WHMIS hazard class:

A, B.5, 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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