

**Revision Date:** 11/04/2008

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b> Cold Galvanizing Compound <b>Product type:</b> Coating <b>Company address:</b> Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	<b>Item No. :</b> 82039 / IDH No. 209802 <b>Region:</b> United States <b>Contact Information:</b> Telephone: 860.571.5100 Emergency telephone: 860.571.5100 Internet: www.loctite.com
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Zinc 7440-66-6	30-60	10 mg/m <sup>3</sup> (inhalation) 3 mg/m <sup>3</sup> (respirable)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	None
Propane 74-98-6	10-30	1000 ppm TWA	1000 ppm TWA 1800 mg/m <sup>3</sup> TWA	None
Methyl ethyl ketone 78-93-3	10-30	200 ppm TWA 300 ppm STEL	200 ppm TWA 590 mg/m <sup>3</sup> TWA	None
Butane 106-97-8	10-30	1000 ppm TWA	800 ppm TWA	None
Toluene 108-88-3	5-10	20 ppm TWA	200 ppm TWA 300 ppm Ceiling	None
Light aliphatic solvent naphtha 64742-89-8	5-10	None	None	None
1-Cyclohexanol 108-93-0	0.1-1	50 ppm TWA (skin)	200 mg/m <sup>3</sup> TWA 50 ppm TWA	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Physical state:** Liquid Aerosol  
**Color:** Grey  
**Odor:** Solvent

**HMIS:**

**HEALTH:** 2  
**FLAMMABILITY:** 4  
**PHYSICAL HAZARD:** 2  
**Personal Protection:** See Section 8

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

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

**Potential Health Effects**

**Inhalation:** Moderate respiratory tract irritation. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Overexposure may cause nervous system depression. Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Continued exposure may cause increased light-headedness, staggering, unconsciousness and even death.

**Skin contact:** Irritating to skin. Itching. Redness. Burning sensation.

**Eye contact:** Moderate eye irritation. Redness. Burning sensation.

**Ingestion:** May be harmful if swallowed. Extreme overexposure may result in unconsciousness and possibly death.

Existing conditions aggravated by exposure:

None generally recognized.

See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove 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>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. If skin irritation persists, call a physician.
<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. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Not applicable to aerosols.
<b>Flashback:</b>	This product exhibits flashback when tested for flame extension.
<b>Flame Projection:</b>	Greater than 46 cms (18 inches)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	0.9 %
<b>Flammable/Explosive limits-upper %:</b>	10.0 %
<b>Extinguishing media:</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam.
<b>Special fire fighting procedures:</b>	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.
<b>Unusual fire or explosion hazards:</b>	Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.
<b>Hazardous combustion products:</b>	Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	None known
<b>Clean-up methods:</b>	Remove all ignition sources. Ventilate area. Soak up with inert absorbent. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Vapors will accumulate readily and may ignite explosively. Use only with adequate ventilation. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.
<b>Storage:</b>	Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Store away from ignition sources.
<b>Incompatible products:</b>	None.

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

**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.

**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 Aerosol  
**Color:** Grey  
**Odor:** Solvent  
**Vapor pressure:** Not available  
**pH:** Not available  
**Boiling point/range:** -18-162°C (-0.4-323.6°F)  
**Melting point/range:** Not available  
**Specific gravity:** 1.16  
**Vapor density:** Greater than 1  
**Evaporation rate:** Faster than ether  
**Solubility in water:** Not available  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 49.1%; 565 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** None

**Incompatibility:** None

**Conditions to avoid:** None known.

## 11. TOXICOLOGICAL INFORMATION

**Product toxicity data:** Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Zinc 7440-66-6	No	No	No
Propane 74-98-6	No	No	No
Methyl ethyl ketone 78-93-3	No	No	No
Butane 106-97-8	No	No	No
Toluene 108-88-3	No	No	No
Light aliphatic solvent naphtha 64742-89-8	No	No	No
1-Cyclohexanol 108-93-0	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Zinc 7440-66-6	Blood, Central nervous system, Eyes, Immune system, Irritant, Kidney, Metabolic, Pancreas, Respiratory
Propane 74-98-6	Cardiac, Central nervous system, Irritant
Methyl ethyl ketone 78-93-3	Central nervous system, Irritant
Butane 106-97-8	Cardiac, Central nervous system, Irritant
Toluene 108-88-3	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant
Light aliphatic solvent naphtha 64742-89-8	Irritant
1-Cyclohexanol 108-93-0	Central nervous system, Irritant, Liver, Kidney, Developmental, Brain, Heart, Reproductive

## 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:** 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 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:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**Exceptions:** (Not more than 1 L) Consumer Commodity ORM-D  
**Marine pollutant:** None

### International Air Transportation (ICAO/IATA):

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN1950  
**Packing group:** None  
**Exceptions:** (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

### Water Transportation (IMO/IMDG):

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN1950  
**Packing group:** None  
**Marine pollutant:** None

## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	1-Cyclohexanol (CAS# 108-93-0).
<b>CERCLA/SARA Section 302 EHS:</b>	None.
<b>CERCLA/SARA Section 311/312:</b>	Fire, Immediate Health Hazard, Sudden Release, Delayed Health Hazard
<b>CERCLA/SARA 313:</b>	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). Toluene (CAS# 108-88-3). Zinc (CAS# 7440-66-6).
<b>California Proposition 65:</b>	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

### Canada Regulatory Information

<b>CEPA DSL/NDSL Status:</b>	All components are listed on or are exempt from listing on the Domestic Substances List.
<b>WHMIS hazard class:</b>	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: 2

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