



Revision Number: 001.2

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** LOCTITE 7900 CERAMISHIELD known as Loctite SF 7900 Ceramic Shield **IDH number:** 1616692  
**Product use:** Coating **Item number:** 1616692  
**Region:** Canada  
**Company address:** **Contact information:**  
 Henkel Canada Corporation Telephone: 905.814.6511  
 2515 Meadowpine Boulevard MEDICAL EMERGENCY Phone: Poison Control Center  
 Mississauga, Ontario L5N 6C3 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:** Liquid **WHMIS hazard class:** A, B.1, D.2.B  
**Color:** White  
**Odor:** Solvent

**DANGER:** EXTREMELY FLAMMABLE.  
 CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
 MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

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

**Potential Health Effects**

**Inhalation:** This product is irritating to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.  
**Skin contact:** This product is irritating to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.  
**Eye contact:** This product is irritating to the eyes.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed. May cause dizziness, incoordination, headache, nausea, and vomiting.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Propane/Isobutane	68476-86-8	30 - 60
Acetone	67-64-1	10 - 30
Methyl ethyl ketone	78-93-3	10 - 30
Boron nitride	10043-11-5	5 - 10

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

<b>Skin contact:</b>	Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). Get medical attention. Wash clothing before reuse.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Notes to physician:</b>	Treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	-20 °C (-4°F)
<b>Autoignition temperature:</b>	465 °C (869°F)
<b>Flammable/Explosive limits - lower:</b>	2.2 %
<b>Flammable/Explosive limits - upper:</b>	13 %
<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
<b>Unusual fire or explosion hazards:</b>	DANGEROUS when exposed to heat or flame. This material can be ignited by flame or spark under all normal atmospheric conditions. Vapors are heavier than air and may travel to ignition sources and flash back. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
<b>Hazardous combustion products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Sensitivity to Mechanical Impact:</b>	Not available.
<b>Sensitivity to static discharge:</b>	Not available.

## 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.
<b>Clean-up methods:</b>	Remove all sources of ignition. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	For industrial use only. Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed.
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**Storage:**

Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Do not store with oxidizing materials.

For information on product shelf life contact Henkel Canada Customer Service at 800-263-5043.

## 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
Propane/Isobutane	None	None	None	None
Acetone	750 ppm STEL 500 ppm TWA	1,000 ppm (2,400 mg/m3) PEL	None	None
Methyl ethyl ketone	200 ppm TWA 300 ppm STEL	200 ppm (590 mg/m3) PEL	None	None
Boron nitride	None	None	None	None

**Engineering controls:**

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**Respiratory protection:**

Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	White
<b>Odor:</b>	Solvent
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	6 - 8
<b>Vapor pressure:</b>	231 mm hg
<b>Boiling point/range:</b>	56 °C (132.8 °F)
<b>Melting point/ range:</b>	-95 °C (-139°F)
<b>Specific gravity:</b>	1.2
<b>Vapor density:</b>	2.0
<b>Flash point:</b>	-20 °C (-4°F)
<b>Flammable/Explosive limits - lower:</b>	2.2 %
<b>Flammable/Explosive limits - upper:</b>	13 %
<b>Autoignition temperature:</b>	465 °C (869°F)
<b>Evaporation rate:</b>	14.4
<b>Solubility in water:</b>	Soluble
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	778 g/l (calculated)

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Incompatible materials:</b>	This product may react with oxidizing agents.
<b>Conditions to avoid:</b>	Heat, flames, sparks and other sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

**Toxicologically synergistic products:** Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
Propane/Isobutane	No	No	No	No
Acetone	No	No	No	Group A4
Methyl ethyl ketone	No	No	No	No
Boron nitride	No	No	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Propane/Isobutane	None	No Records
Acetone	Oral LD50 (RABBIT) = 5,340 mg/kg Oral LD50 (RAT) = 5,800 mg/kg Oral LD50 (RAT) = 9,800 mg/kg Dermal LD50 (RABBIT) = 20,000 mg/kg Inhalation LC50 (RAT, 8 h) = 50.1 mg/l Inhalation LC50 (RAT, 4 h) = 76 mg/l	Blood, Central nervous system, Irritant, Reproductive
Methyl ethyl ketone	Oral LD50 (RAT) = 2,300 - 3,500 mg/kg Oral LD50 (RAT) = 4,500 - 6,800 mg/kg Dermal LD50 (RABBIT) = > 8,000 mg/kg Inhalation LC50 (RAT, 4 h) = 11700 ppm	Irritant, Central nervous system
Boron nitride	None	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.

## 14. TRANSPORT INFORMATION

**Canada Transportation of Dangerous Goods - Ground**

<b>Proper shipping name:</b>	AEROSOLS
<b>Hazard class or division:</b>	2.1
<b>Identification number:</b>	UN 1950
<b>Packing group:</b>	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**

**Canada Regulatory Information**

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**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.

**16. OTHER INFORMATION**

**This material safety data sheet contains changes from the previous version in sections:** Reviewed MSDS. Reissued with new date.

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.**

**Prepared by:** Lou Fabrizio, Regulatory Affairs Specialist

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