



Revision Number: 007.0

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1. IDENTIFICATION

Product name:	LOCTITE PC 9660 AE12FO	IDH number:	209750
Product type/	Coating	Item number:	51211
Recommended use:		Region:	Canada
Restriction of Use:	None identified	Contact information:	
Company address:		Telephone: +1 (905) 814-6511	
Henkel Canada Corporation		MEDICAL EMERGENCY Phone: Poison Control Center	
Meadowpine Boulevard 2515		1-877-671-4608 (toll free) or 1-303-592-1711	
Mississauga, Ontario L5N 6C3		TRANSPORT EMERGENCY Phone: CHEMTREC	
		1-800-424-9300 (toll free) or 1-703-527-3887	
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		Internet: www.henkelna.com	

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: H223 - FLAMMABLE AEROSOL.
 H229 - PRESSURIZED CONTAINER: MAY BURST IF HEATED.
 H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
 H315 - CAUSES SKIN IRRITATION.
 H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
 H373 - MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
AEROSOL	2
SKIN IRRITATION	2
REPRODUCTIVE TOXICITY	2
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	2
ASPIRATION HAZARD	1

PICTOGRAM(S)



Precautionary Statements

Prevention:

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking.
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Do not pierce or burn, even after use.
- P260 - Do not breathe dust or fumes.
- P264 - Wash affected area thoroughly after handling.

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Response: P280 - Wear protective gloves, clothing, eye and face protection.
P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P308+P313 - IF exposed or concerned: Get medical attention.
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

Storage: P405 - Store locked up.

Disposal: P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Other hazards Not available.

Classification complies with Canadian Hazardous Products Regulations and is consistent with the provision of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
Distillates (petroleum), hydrotreated light	64742-47-8	30 - 60
propane	74-98-6	10 - 30
n-Hexane	110-54-3	10 - 30
Naphtha, petroleum, hydrotreated light	64742-49-0	5 - 10
n-Heptane	142-82-5	1 - 5
Methylcyclopentane	96-37-7	1 - 5
2-Butoxyethanol	111-76-2	1 - 5

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

First Aid Measures by likely routes of exposure

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). 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. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects (acute and delayed): The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.

Indication of any immediate medical attention / special treatment needed: Not available.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Improper extinguishing agents:	Not available.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapor accumulation can flash or explode if ignited.
Hazardous combustion products:	Oxides of carbon. Toxic and irritating vapors.

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. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. 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:	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.
Storage:	Keep in a cool, well ventilated area. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Keep away from heat, spark and flame.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Distillates (petroleum), hydrotreated light	5 mg/m3 TWA Inhalable fraction. (SKIN) (as total hydrocarbon vapor) Non-aerosol. 200 mg/m3 TWA (as total hydrocarbon vapor) Non-aerosol.	None	None	None
propane	D: Simple asphyxiant, EX: Explosion hazard (Simple asphyxiant.)	1,000 ppm (1,800 mg/m3) PEL	None	None
n-Hexane	50 ppm TWA (SKIN)	500 ppm (1,800 mg/m3) PEL	None	None
Naphtha, petroleum, hydrotreated light	(SKIN) 100 ppm TWA	100 ppm (400 mg/m3) PEL	None	None
n-Heptane	200 ppm TWA 400 ppm STEL	500 ppm (2,000 mg/m3) PEL	None	None
2-Butoxyethanol	20 ppm TWA	50 ppm (240 mg/m3) PEL (SKIN)	None	None

Engineering controls:	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
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 impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol
Color:	Brown
Odor:	Hydrocarbons
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	4136 - 4826 mbar (20 °C (68°F))
Boiling point/range:	7 °C (44.6 °F)
Melting point/ range:	Not available.
Density/Relative density:	0.850
Relative vapor density:	> 1 Heavier than air
Flash point:	Not applicable to aerosols.
Flashback:	This product exhibits flashback when tested for flame extension.
Flammable/Explosive limits - lower:	1 %
Flammable/Explosive limits - upper:	9.5 %
Autoignition temperature:	Not available.
Flammability:	Flammable aerosol.
Evaporation rate:	Not available.
Solubility:	Insoluble Water
Partition coefficient n-octanol/water (logarithmic value):	Not available.
VOC content:	69.6 %
Dynamic viscosity:	Not available.
Kinematic viscosity:	< 14 mm ² /s
Particle characteristics:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Irritating organic vapours.
Incompatible materials:	Strong oxidizing agents.
Reactivity:	Not available.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Skin, Inhalation, Eyes, Ingestion
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Potential Health Effects/Symptoms

Inhalation: May cause central nervous system effects with nausea, dizziness and headache.
Skin contact: Causes skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
Eye contact: May cause eye irritation.
Ingestion: Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

Hazardous Component(s)	LD50s and LC50s
Distillates (petroleum), hydrotreated light	Inhalation LC50 (Rat, 4 h) = > 4.6 mg/l Inhalation LC50 (Rat, 4 h) = > 4.3 mg/l Inhalation LC50 (Rat, 4 h) = > 4.5 mg/l Inhalation LC50 (Rat, 4 h) = > 5.68 mg/l Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l Inhalation LC50 (Rat, 4 h) = > 5.28 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = > 6.03 mg/l
propane	Inhalation LC50 (Rat, 4 h) = > 13023 ppm Inhalation LC50 (Rat, 4 h) = > 13023 ppm
n-Hexane	Oral LD50 (Rat) = 28,710 mg/kg
Naphtha, petroleum, hydrotreated light	Inhalation LC50 (Rat, 4 h) = > 5,610 mg/m3 Inhalation LC50 (Rat, 4 h) = > 7,630 mg/m3
n-Heptane	Inhalation LC50 (Rat, 4 h) = > 73.5 mg/l Inhalation LC50 (Rat, 4 h) = > 29.29 mg/l
Methylcyclopentane	None
2-Butoxyethanol	Oral LD50 (Rat) = 560 mg/kg Oral LD50 (Mouse) = 1.2 g/kg Oral LD50 (Rabbit) = 0.32 g/kg Oral LD50 (Rat) = 1.48 g/kg Oral LD50 (Mouse) = 1,519 mg/kg Dermal LD50 (Rabbit) = 400 mg/kg Inhalation LC50 (Rat, 4 h) = 523 ppm Inhalation LC50 (Rat, 4 h) = 545 ppm

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Distillates (petroleum), hydrotreated light	Irritant		
propane	Irritant		Cardiac Central nervous system
n-Hexane	Irritant		Developmental Lung Nervous System Reproductive
Naphtha, petroleum, hydrotreated light	Irritant		Central nervous system Kidney Lung
n-Heptane	Irritant		Central nervous system
Methylcyclopentane	Irritant		Nervous System
2-Butoxyethanol	Irritant		Blood Central nervous system Kidney Liver

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Distillates (petroleum), hydrotreated light	No	No	No
propane	No	No	No
n-Hexane	No	No	No
Naphtha, petroleum, hydrotreated light	No	No	No
n-Heptane	No	No	No
Methylcyclopentane	No	No	No
2-Butoxyethanol	No	No	No

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

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

Canada Transportation of Dangerous Goods - Ground

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 (Heptanes)
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Marine pollutant: Heptanes

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL 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 as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2,3,8,9,11

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