



Revision Number: 009.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE SI 5900 INSTANT GASKET known as Instant Gasket 190ml AE	IDH number:	743913
Product use:	Silicone Sealant	Item number:	40479
Company address:	Henkel Corporation 2515 Meadowpine Boulevard Mississauga, Ontario L5N 6C3	Region:	Canada
		Contact information:	Telephone: 905.814.6511 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, Paste	WHMIS hazard class:	D.2.A, D.2.B
Color:	Black		
Odor:	Mild, Petroleum		

WARNING: CONTENTS UNDER PRESSURE.
 PROLONGED OR REPEATED CONTACT WITH UNCURED ADHESIVE MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
 REPEATED OR PROLONGED CONTACT MAY CAUSE ALLERGIC SKIN REACTION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation:	Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit.
Skin contact:	Prolonged and/or repeated skin contact with this product may cause irritation. Prolonged contact with this product may cause allergic skin sensitization reactions. The silane is a skin and eye irritant and prolonged contact may cause eye and skin burns. The low concentration makes such overexposure unlikely and minimizes its affect on health and safety.
Eye contact:	Contact with uncured product may irritate the eyes. The silane is a skin and eye irritant and prolonged contact may cause eye and skin burns. The low concentration makes such overexposure unlikely and minimizes its affect on health and safety.
Ingestion:	Not expected under normal conditions of use. May be harmful if swallowed.

Existing conditions aggravated by exposure: Not available.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Reinforcing filler	Proprietary	30 - 60
Norflurane	811-97-2	5 - 10
Oximino silane	Proprietary	1 - 5
Octadecanoic acid	57-11-4	1 - 5
Carbon black	1333-86-4	0.1 - 1
Reactive Silane	Proprietary	0.1 - 1

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:	Wipe off paste with paper towel or cloth. Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion:	Do not induce vomiting. Seek medical advice.

5. FIRE FIGHTING MEASURES

Flash point:	> 93.00 °C (> 199.4 °F)
Autoignition temperature:	Not available.
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Use water spray to keep fire exposed containers cool and disperse vapors.
Unusual fire or explosion hazards:	Contents under pressure. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of Silicon Oxides of carbon. Formaldehyde
Sensitivity to Mechanical Impact:	Not available.
Sensitivity to static discharge:	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.

Environmental precautions:	Do not allow spill to enter sewage systems or open bodies of water.
Clean-up methods:	Maintain good ventilation for large spills. Scrape up as much material as possible. Place scrap material in a well ventilated area and allow to cure to rubber.

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation.

Storage: Store in a cool, dry, well-ventilated area.

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
Reinforcing filler	10 mg/m3 TWA Total dust.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Norflurane	None	None	1,000 ppm (4,240 mg/m3) TWA	None
Oximino silane	None	None	None	None
Octadecanoic acid	10 mg/m3 TWA	None	None	None
Carbon black	3 mg/m3 TWA Inhalable fraction.	3.5 mg/m3 PEL	None	None
Reactive Silane	None	None	None	None

Engineering controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

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.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol, Paste
Color:	Black
Odor:	Mild, Petroleum
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	Not available.
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Vapor density:	Not available.
Flash point:	> 93.00 °C (> 199.4 °F)
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Evaporation rate:	Not available.
Solubility in water:	Polymerizes on contact with water.
Partition coefficient (n-octanol/water):	Not available.
VOC content:	3.90 %; 50.70 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur
Hazardous decomposition products:	Oxides of carbon. Oxides of silicon. Methyl ethyl ketoxime formed during cure. Formaldehyde.
Incompatible materials:	Polymerizes on contact with water.
Conditions to avoid:	Moisture.

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 Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Reinforcing filler	No	No	No
Norflurane	No	No	No
Oximino silane	No	No	No
Octadecanoic acid	No	No	No
Carbon black	No	Group 2B	No
Reactive Silane	No	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Reinforcing filler	Oral LD50 (RAT) = 6,450 mg/kg	Nuisance dust
Norflurane	None	Cardiac, Central nervous system, Irritant, Respiratory, Skin
Oximino silane	None	Irritant, Allergen
Octadecanoic acid	Oral LD50 (RAT) = 4.6 g/kg	Irritant
Carbon black	Oral LD50 (RAT) = > 8,000 mg/kg	Respiratory, Some evidence of carcinogenicity
Reactive Silane	None	Irritant, Allergen

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

Proper shipping name: AEROSOLS
Hazard class or division: 2.2
Identification number: UN 1950
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, non-flammable
Hazard class or division: 2.2
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name:	AEROSOLS
Hazard class or division:	2.2
Identification number:	UN 1950
Packing group:	None

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 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.

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