

LOCTITE®

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE® 5040™ POTTING COMPOUND/ COMPUESTO PARA ENCAPSULAR	IDH number:	735868
Product type:	Silicone sealant	Item number:	40404
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:	Liquid or paste	HMIS:	
Color:	Clear	HEALTH:	*1
Odor:	Slight, Alcoholic	FLAMMABILITY:	1
		PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8
WARNING:	PROLONGED OR REPEATED CONTACT WITH UNCURED SEALANT 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 vapors from uncured sealant may cause respiratory tract irritation. Overexposure to methanol formed during cure may cause drowsiness, nausea, and vomiting. 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 or repeated contact with uncured sealant may cause skin irritation. May cause allergic skin reaction.
Eye contact:	Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion:	May be harmful if swallowed.

Existing conditions aggravated by exposure: None known

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	%
Silicone Resin	Proprietary	60 - 100
Silica Filler	Proprietary	10 - 30
Silane derivative	Proprietary	5 - 10

Exposure to moisture during cure will release 1-2% methanol.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms develop and persist, get medical attention.
Skin contact:	Wipe off paste with paper towel or cloth. Wash with soap and water. If skin irritation persists, call a physician.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Prevent vomiting if possible. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	> 93.3 °C (> 199.94 °F) Tagliabue closed cup
Autoignition temperature:	Not applicable
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Prevent inhalation of fumes and gases.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Oxides of silicon. Formaldehyde.

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 material to contaminate ground water system.
Clean-up methods:	Scrape up as much material as possible. Maintain good ventilation for large spills. 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.
Storage:	Store in a dry area below 90° F.

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

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
Silicone Resin	None	None	None	None
Silica Filler	10 mg/m ³ TWA Inhalable dust.	6 mg/m ³ TWA	None	None
Silane derivative	None	None	None	None

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Respirator with combination filter for vapor/particulate.
Eye/face protection:	Safety goggles or safety glasses with side shields.
Skin protection:	Permeation resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid or paste
Color:	Clear
Odor:	Slight, Alcoholic
Odor threshold:	Not available
pH:	Not applicable
Vapor pressure:	< 10 mm hg (21.1 °C (70°F))
Boiling point/range:	Not applicable
Melting point/ range:	Not available
Specific gravity:	1.1 at 20 °C (68°F)
Vapor density:	Not available
Flash point:	> 93.3 °C (> 199.94 °F) Tagliabue closed cup
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not applicable
Evaporation rate:	Not available
Solubility in water:	Polymerises in presence of water.
Partition coefficient (n-octanol/water):	Not available
VOC content:	5.1 %; 56.1 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	Oxides of carbon. Oxides of silicon. Contact with water liberates methanol. Formaldehyde.
Incompatible materials:	Acids. Bases. Oxidizing agents. Heat, sunlight, or UV light.
Conditions to avoid:	Product is sensitive to light and moisture.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silicone Resin	No	No	No
Silica Filler	No	No	No
Silane derivative	No	No	No

Hazardous components	Health Effects/Target Organs
Silicone Resin	No Target Organs
Silica Filler	No Target Organs
Silane derivative	Irritant, Allergen

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Cured rubber can be incinerated or landfilled following EPA and local regulations.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None
Exceptions: 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
CERCLA/SARA 313: None above reporting de minimus
California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
WHMIS hazard class: 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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