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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: 5910 Flange Sealant
Product type: Silicone
Company address:
 Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

Item No. : 21746 / IDH No. 231232
Region: United States
Contact Information:
 Telephone: (860) 571-5100
 Emergency telephone: (860) 571-5100
 Internet: www.henkelna.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Calcium carbonate 471-34-1	30-60	10 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica)	15 mg/m ³ TWA (total dust) 5 mg/m ³ TWA (respirable fraction)	None
Silicone Resin Proprietary	30-60	None	None	None
Silicone Resin Proprietary	10-30	None	None	None
Oximino silaneProprietary	1-5	None	None	None
Organic Acid Proprietary	1-5	None	None	None
Carbon black 1333-86-4	1-5	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA	None

Exposure to moisture during cure will release 0.1 - 0.9% methyl alcohol. Methyl ethyl ketoxime(MEKO) is formed during cure. This product will release up to 5% MEKO.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste
Color: Black
Odor: Mild

HMIS:

HEALTH: 1*
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

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

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

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Inhalation:	Inhalation of vapors from uncured sealant may cause respiratory tract irritation. 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:	May cause skin irritation with discomfort or rash. 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:	Not expected under normal conditions of use. May be harmful if swallowed.

Existing conditions aggravated by exposure: Skin disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If discomfort persists seek 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:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 93°C (200°F) (estimated)
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not applicable
Flammable/Explosive limits-upper %:	Not applicable
Extinguishing media:	Carbon dioxide (CO2). Foam. Dry chemical.
Special fire fighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Oxides of silicon. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not flush into surface water or sanitary sewer system.
Clean-up methods:	Scrape up as much material as possible. Maintain good ventilation for large spills. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Do not wear contact lenses.
Storage:	Store in a dry area below 90° F Keep container closed.
Incompatible products:	Moisture. Oxidizing agents. Strong acids or bases.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
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Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Skin protection: Permeation resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol).

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Paste
Color: Black
Odor: Mild
Vapor pressure: <5 mmHg @20°C (68° F)
pH: Not applicable
Boiling point/range: Not applicable
Melting point/range: Not available
Specific gravity: 1.34 at 20 deg. C
Vapor density: Heavier than air
Evaporation rate: Not available
Solubility in water: Polymerizes in presence of water
Partition coefficient (n-octanol/water): Not available
VOC content: 4.01%; 53.7 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Methyl ethyl ketoxime formed during cure.

Incompatability: Polymerizes on contact with water.

Conditions to avoid: Moisture.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Calcium carbonate 471-34-1	No	No	No
Silicone Resin Proprietary	No	No	No
Silicone Resin Proprietary	No	No	No
Oximino silaneProprietary	No	No	No
Organic Acid Proprietary	No	No	No
Carbon black 1333-86-4	No	Group 2B	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Calcium carbonate 471-34-1	Nuisance dust
Silicone Resin Proprietary	No Target Organs
Silicone Resin Proprietary	Irritant
Oximino silaneProprietary	Allergen, Irritant
Organic Acid Proprietary	Irritant
Carbon black 1333-86-4	Respiratory, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

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.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

WaterTransportation (IMO/IMDG):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None
Exceptions: None
Marine pollutant: 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.
CERCLA/SARA Section 302 EHS:	None above reporting de minimus.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313:	None above reporting de minimus.
California Proposition 65:	This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status:	All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class:	D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 3,15

Prepared by: Regulatory Affairs

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