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PRODUCT: 710 High Temperature Rigid Flange Sealant
MSDS ID: ND3505
ORIG. DATE: 7/21/08
REV. DATE: 12/22/08
REV. DATE: PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information H: 2 F: 1 R: 1 PPE:G

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Poly glycol Dimethacrylate	ND-09-332	25852-47-5 35-45	n.e.	n.e.	
Polyester Resin	ND-09-120	Proprietary 15-25	n.e.	n.e.	
Methacrylated Oligomer	ND-09-569	Proprietary 5-10	n.e.	n.e.	
Polyethylene glycol ester	ND-09-149	Proprietary 5-15	n.e.	n.e.	
Hydrophobic Silica	ND-09-147	067762-90-7 5-15	n.e.	n.e.	
Cumin Hydroperoxide	ND-09-151	80-15-9 0.5-2	n.e.	n.e.	

The remaining components of this product are not considered hazardous substances or are below reportable levels under Osier's Hazard Communication Standard (29 FR 1910.1200)

All ingredients are listed on the TSCA Inventory. n.a.= not applicable / n.e.=not established

SECTION II -Physical and Chemical Characteristics

BOILING POINT:	n.e.		VOC #/US gal. : 1.26
VAPOR DENSITY:	n.e.	air = 1	DENSITY OF COATING: 9.174
VAPOR PRESSURE:	n.e.		
MELTING POINT:	n.e.		
SPECIFIC GRAVITY:	1.10	water = 1	
EVAPORATION RATE:	n.e.		
WATER REACTIVE:	no		
SOLUBILITY IN WATER:	not soluble		
APPEARANCE AND ODOR:	Thick pink paste.		

SECTION III - Fire and Explosion Hazard Data

FLASH POINT:	>93°C	PMCC
AUTOIGNITION TEMPERATURE:	n.e.	
FLAMMABILITY LIMITS % IN AIR:	LEL: n.e.	UEL: n.e.
EXTINGUISHER MEDIA:	Use dry chemicals, foam, COO, water and/or water fog.	
SPECIAL FIREFIGHTING PROCEDURES:	Wear NOSH approved self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode when fighting fires. Cool fire exposed containers.	
UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:	Containers may rupture due to exothermic polymerization under fire conditions. Water may cause material frothing.	

MATERIAL SAFETY DATA SHEET

PRODUCT: 710 High Temperature Rigid Flange Sealant

SECTION IV - Reactivity Hazard Data

STABILITY: **stable:** X **unstable:**
HAZARDOUS POLYMERIZATION: **may occur:** X **will not occur:**
CONDITIONS TO AVOID: Elevated temperatures above 99°F for prolonged periods. Removal of oxygen. Contamination.

INCOMPATIBILITY: Polymerization initiators, strong alkalis and oxidizing or reducing agents, oxygen scavengers.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION V - Health Hazard Data

PRIMARY ROUTES OF ENTRY: **INHALATION:** X **INGESTION:** X **SKIN ABSORPTION:** X

EYE CONTACT: May cause severe irritation and damage.

FIRST AID: Flush eyes with generous amounts of water for at least 15 minutes, lifting both upper and lower eyelids frequently. Get medical attention.

SKIN CONTACT: Product is harmful to skin. May cause dermatitis with prolonged contact in sensitive individuals.

FIRST AID: Thoroughly wash exposed area with soap and water. Do not use organic solvents on skin. If irritation develops, seek medical attention. Launder clothing before reuse.

INHALATION: Not likely a route of exposure.

FIRST AID: If victim is overcome by exposure to vapors remove them to fresh air. Seek medical attention.

INGESTION: May cause slight irritation to mouth, throat and upper respiratory tract.

FIRST AID: DO NOT INDUCE VOMITING. Dilute by drinking plenty of water and seek medical attention.

CHRONIC EFFECTS: None known

Carcinogenic: No

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Poly glycol Dimethacrylate	n.e.	n.e.	n.e.
Polyester Resin	n.e.	n.e.	n.e.
Methacrylated Oligomer	n..e	n..e	n.e.
Polyethylene Glycol Ester	n.e.	n.e.	n.e.
Hydrophobic Silica	>1000 mg/kg (rat)	>2000 mg/kg (rabbit)	
Cumin Hydroperoxide	n.e.	n.e.	n.e.

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: If product is being used at excessive, elevated temperatures, wear a NIOSH approved respirator.

PROTECTIVE GLOVES: Use appropriate chemical resistant gloves: rubber or nitrile.

EYE PROTECTION: Wear approved safety glasses with side shields.

VENTILATION TO BE USED: LOCAL EXHAUST: MECHANICAL: SPECIFIC: OTHER (specify):

PROTECTIVE CLOTHING AND EQUIPMENT: If there is a chance of contact with clothing or large surface areas of skin, protective clothing should be used to prevent unnecessary exposure. Eye wash fountains and safety showers should be available for emergency use.

HYGIENIC WORK PRACTICES: Always practice good personal hygiene when working with chemicals. Be sure to wash hands after using product.

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Dike or contain spill with inert materials and transfer liquid to containers for recovery or disposal. Avoid runoff into storm sewers or into waterways. Immediately extinguish all sources of ignition, flame, heat, etc. until area is free from explosive hazard. Absorb material in inter filler or floor absorb and transfer to a ventilated area for proper disposal.

WASTE DISPOSAL METHODS: Discharge, treatment, or disposal may be subject to national, state or local laws. Based on our knowledge of the product, its raw materials and processes employed during its manufacture, we believe it is unlikely that this product is hazardous waste for federal RCRA purposes. We recommend that you carry out your own tests and evaluations prior to discarding any materials.

SAFE HANDLING AND STORAGE: Frost sensitive. Do not freeze. Store in a cool dry place.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:
None known.

RECOMMENDED NFPA/HMIS RATING

HEALTH 2

FLAMMABILITY 1

REACTIVITY 1

PERSONAL PROTECTION G

note: ratings may differ according to application, environment, and physical state.

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NOTES:

DOT Shipping Name: Not regulated

This product contains the following hazardous Air Pollutants:
1,4-Benzenediol (Hydroquinone) CAS: 123-31-9 <0.001% by wt.

SECTION 313 SUPPLIER NOTIFICATION

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
80-15-9	Cumin Hydroperoxide	
107-21-1	Ethylene Glycol	

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

<u>Material</u>	<u>CAS #</u>	<u>Concentration %</u>	<u>Cancer Agent</u>	<u>Reproductive Toxin</u>	<u>cancer agent & Reproductive Toxin</u>
Ethylene Glycol	107-21-1			X	

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