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SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: Speed Grip Bare Metal Seam Sealer
MSDS Manufacturer Number: 06398
Manufacturer Name: Saint-Gobain Abrasives, Inc.
Address: 1 New Bond Street
Worcester, MA 01615
Website: www.Nortonabrasives.com
General Phone Number: 508-795-5000
Emergency Phone Number: 508-795-5000
MSDS Creation Date: August 08, 2012
MSDS Revision Date: July 01, 2013
(M)SDS Format:

HMIS	
Health Hazard	2*
Fire Hazard	1
Reactivity	1
Personal Protection	X

* Chronic Health Effects

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Benzyl alcohol	100-51-6	0 - 5 by weight	603-057-00-5
2,4,6-Tris (Dimethylaminomethyl)phenol	90-72-2	1 - 8 by weight	603-069-00-0
Neopentyl glycol diglycidyl ether	17557-23-2	0 - 6 by weight	603-094-00-7
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	5 - 20 by weight	
Mercaptan Ppolymer	N/A	25 - 50 by weight	
Silicon dioxide	112945-52-5	4 - 10 by weight	
Titanium dioxide	13463-67-7	0 - 2 by weight	
Gamma-glycidoxypropyltrimethoxysilane	2530-83-8	0 - 2 by weight	
Reaction product of epichlorohydrin & bisphenol A	25085-99-8	30 - 60 by weight	

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview: WARNING! Potential Sensitizer Irritant.

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

Eye: Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury.

Skin:	Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
Inhalation:	Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
Ingestion:	Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.
Chronic Health Effects:	Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:	Not determined.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO ₂) or dry chemical when fighting fires involving this material.
Unsuitable Media:	Water or foam may cause frothing.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Sealed containers at elevated temperatures may rupture due to polymerization.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.

Other Precautions: Pump or shovel to storage/salvage vessels.

SECTION 7 : HANDLING and STORAGE

Handling: Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.

Storage: Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.

Special Handling Procedures: Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

Hygiene Practices: Wash thoroughly after handling.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Skin Protection Description: Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.

Respiratory Protection: A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Titanium dioxide :

Guideline ACGIH: 10 mg/m³
TLV-TWA: 10 mg/m³

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance: Paste.

Color: Gray

Odor: Slight. odor.

Boiling Point: Not determined.

Melting Point: Not determined.

Specific Gravity: 1.19-1.22

Solubility: Insoluble

Vapor Density: Not determined.

Vapor Pressure: Not determined.

Percent Volatile: negligible. < 1

Evaporation Rate:	Not determined.
pH:	Not determined.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	Not determined.
Auto Ignition Temperature:	Not determined.
VOC Content:	0 g/L

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Heating resin above 300 F in the presence of air may cause slow oxidative decomposition.
Incompatible Materials:	Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines).

SECTION 11 : TOXICOLOGICAL INFORMATION

Benzyl alcohol :

RTECS Number:	DN3150000
Skin:	Administration onto the skin - : 10 gm/kg [Behavioral - Tremor Behavioral - Muscle weakness Gastrointestinal - Changes in structure or function of salivary glands] Administration onto the skin - Rabbit : 2000 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - : 16 mg/48H Administration onto the skin - Rabbit : 100 mg/24H Administration onto the skin - : 100 %
Inhalation:	Inhalation - Mouse LC50: >500 mg/m ³ [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Inhalation - Rat LC50: >500 mg/m ³ [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression]
Ingestion:	Oral - Mouse LD50: 1360 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Rat LD50: 1230 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Excitement Behavioral - Coma] Oral - Mouse LD50: 1360 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Oral - Rat LD50: 1660 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Oral - Rat LD50: 1.5 mL/kg [Details of toxic effects not reported other than lethal dose value]

2,4,6-Tris (Dimethylaminomethyl)phenol :

RTECS Number:	SN3500000
Eye:	Eye - Rabbit Standard Draize test.: 50 ug/24H [severe]
Skin:	Administration onto the skin - Rat : 1280 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit : 2 mg/24H Administration onto the skin - Rabbit : 500 uL/24H Administration onto the skin - Rat : 0.025 mL Administration onto the skin - Rat : 0.25 mL
Ingestion:	Oral - Rat LD50 : 1200 mg/kg [Peripheral Nerve and Sensation - Flaccid paralysis without anesthesia (usually neuromuscular blockage) Lungs, Thorax, or Respiration - Dyspnea]

Neopentyl glycol diglycidyl ether :

RTECS Number: TX3760000

Skin: Administration onto the skin - Mouse TDLo : 9393 mg/kg/2Y-I [Tumorigenic - Equivocal tumorigenic agent by RTECS criteria Skin and Appendages - Tumors]
Administration onto the skin - Mouse TD : 11 gm/kg/3Y-I [Tumorigenic - Equivocal tumorigenic agent by RTECS criteria Skin and Appendages - Tumors]
Administration onto the skin - Mouse TD : 17 gm/kg/2Y-I [Tumorigenic - Equivocal tumorigenic agent by RTECS criteria Skin and Appendages - Tumors]
Administration onto the skin - Mouse TD : 25 gm/kg/3Y-I [Tumorigenic - Equivocal tumorigenic agent by RTECS criteria Skin and Appendages - Tumors]

Ingestion: Oral - Rat LD50 : 4500 mg/kg [Details of toxic effects not reported other than lethal dose value]

Titanium dioxide :

RTECS Number: XR2275000

Skin: Administration onto the skin - Human : 300 ug/3D (Intermittent)

Carcinogenicity: IARC: Group 2B: Possibly carcinogenic to humans.

Gamma-glycidoxypropyltrimethoxysilane :

RTECS Number: VV4025000

Eye: Eye - Rabbit Standard Draize test.: 100 mg [mild]

Skin: Administration onto the skin - Rabbit LD50 : 3970 uL/kg [Details of toxic effects not reported other than lethal dose value]
Administration onto the skin - Rabbit Open irritation test: 500 mg [mild]

Ingestion: Oral - Rat LD50 : 22600 uL/kg [Details of toxic effects not reported other than lethal dose value]

Reaction product of epichlorohydrin & bisphenol A :

Ingestion: Oral - Rat LD50: 11300 uL/kg [Details of toxic effects not reported other than lethal dose value]

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Fate: No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

RCRA Number: Not determined.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.

DOT UN Number: Not applicable.

DOT Hazard Class: Not applicable.

DOT Packing Group: Not applicable.

IATA Shipping Name: Non regulated.

SECTION 15 : REGULATORY INFORMATION

Benzyl alcohol :

TSCA Inventory Status: Listed
Massachusetts: Listed
Pennsylvania: Listed
Canada DSL: Listed
EC Number: 603-057-00-5

2,4,6-Tris (Dimethylaminomethyl)phenol :

TSCA Inventory Status: Listed
Canada DSL: Listed
EC Number: 603-069-00-0

Neopentyl glycol diglycidyl ether :

TSCA Inventory Status: Listed
Canada DSL: Listed
EC Number: 603-094-00-7

Phenol, polymer with formaldehyde, glycidyl ether :

TSCA Inventory Status: Listed
Canada DSL: Listed

Titanium dioxide :

TSCA Inventory Status: Listed
Massachusetts: Listed
Pennsylvania: Listed
Canada DSL: Listed

Gamma-glycidoxypropyltrimethoxysilane :

TSCA Inventory Status: Listed
Canada DSL: Listed

Reaction product of epichlorohydrin & bisphenol A :

TSCA Inventory Status: Listed
Canada DSL: Listed

SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date: August 08, 2012
MSDS Revision Date: July 01, 2013
MSDS Author: Actio Corporation

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