



KIT - SAFETY DATA SHEET

Product identifier used on the label:

Kit Name **Speedgrip Plastic Repair Skim Plus**
Stock No. 63642506400

Other means of identification:

Product Description: None
Synonyms: None

Recommended use of the chemical and restrictions on use:

Product uses: Epoxy Adhesive

Chemical manufacturer address and telephone number:

Manufacturer Name: Saint-Gobain Abrasives, Inc.
Address: 1 New Bond Street
Worcester, MA 01615
Website: www.Nortonabrasives.com
General Phone Number: 508-795-5000

Chemical distributor address and telephone number:

Manufacturer Name: Saint-Gobain Canada, Inc.
Address: 28 Albert Street, W
ON Canada N0J 1S0
Website: www.Nortonabrasives.com
General Phone Number: 519-684-7441

Emergency phone number:

Emergency Phone Number: 508-795-5000
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
For emergencies in Canada, call CHEMTREC: 800-424-9300

Component list	
Speedgrip Plastic Repair Skim-Plus (part A)	Speedgrip Plastic Repair Skim-Plus (part A)
Speedgrip Plastic Repair Skim Plus (Part B)	Speedgrip Plastic Repair Skim Plus (Part B)
Kit SDS Revision Date	07/18/2018



Section 1: Identification of the Substance/Mixture and of the Company Undertaking

Product identifier used on the label:

Product Name: Speedgrip Plastic Repair Skim-Plus (part A)

Other means of identification:

Product Codes: 63642506400

Recommended use of the chemical and restrictions on use:

Product Uses: Class: Epoxy Adhesive, Part 1 of 2

Chemical manufacturer address and telephone number:

Manufacturer Name: Saint-Gobain Abrasives, Inc.

Manufacturer Address 1: 1 New Bond Street

Manufacturer City: Worcester

Manufacturer State: MA

Manufacturer Zip Code: 01615

Manufacturer Country: USA

Manufacturer Web: www.Nortonabrasives.com

Business Phone: 508-795-5000

Distributor: Saint-Gobain Canada, Inc.

Distributor Address 1: 28 Albert St, W.

Distributor City: Plattsville

Distributor State: ON

Distributor ZipCode: N0J 1S0

Distributor Country: Canada

Distributor Web: www.Nortonabrasives.com

Distributor Phone: 519-684-7441

Emergency phone number:

Emergency Phone: 508-795-5000

Distributor Emergency Phone: 508-795-5000

Creation Date: 06/07/2010

Revision Date: 2018-07-18 15:49:11

Notes from Section 1: CHEMTREC:
For emergencies in the US, call CHEMTREC: 800-424-9300
For emergencies in Canada, call CHEMTREC: 800-424-9300

Section 2: Hazards Identification

Classification of the chemical in accordance with CFR 1910.1200(d)(f):



Signal Words:	WARNING
GHS Class:	Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Skin sensitization Category 1 Reproductive toxicity Category 2 Hazardous to the aquatic environment - chronic hazard Category 2 Hazardous to the aquatic environment - acute hazard Category 2
Hazard Statements:	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H317 - May cause an allergic skin reaction. H361 - Suspected of damaging fertility or the unborn child. H362 - May cause harm to breast-fed children. H401 - Toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statements:	P280 - Wear protective gloves/eye protection/face protection. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P321 - Specific treatment (see supplemental first aid instructions on this label). P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P362 - Take off contaminated clothing and wash before reuse. P391 - Collect spillage. P401 - Refer to Section 7 of this SDS. P501 - Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Hazards not otherwise classified that have been identified during the classification process:

Section 3: Composition/Information on Ingredients

Mixtures:

Ingredient Name	CAS Number	Ingredient Percent	EC Number	Comments
Epoxy resin	PROPRIETARY	Range: 40 - 45%		
Acrylate monomer	PROPRIETARY	Range: 5 - 10%		
Acrylate monomer	PROPRIETARY	Range: 5 - 10%		

Product:

Comments: Any "PROPRIETARY" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

Section 4: First Aid Measures

Description of necessary measures:

Eye Contact: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

Skin Contact:	Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.
Inhalation:	Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.
Ingestion:	If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

Most important symptoms/effects, acute and delayed:

Indication of immediate medical attention and special treatment needed

Section 5: Firefighting Measures

Suitable and unsuitable extinguishing media

Extinguishing Media:	SUITABLE: Carbon Dioxide, Dry Chemical, Foam, Water Fog.
Unsuitable Media:	Not determined for this product.

Specific hazards arising from the chemical

Special protective equipment and precautions for fire-fighters

Protective Equipment:	SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.
Notes from Section 5:	SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personnel Precautions:	PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Avoid contact. Avoid breathing vapors. Use appropriate respiratory protection for large spills or spills in confined area.
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Methods and materials for containment and cleaning up

Methods for Containment:	Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Scoop spilled material into an appropriate container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).
Methods for Cleanup:	Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Scoop spilled material into an appropriate container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

Environmental precautions

Environmental Precautions:	Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.
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Section 7: Handling and Storage

Precautions for safe handling

Handling:	Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be reused. Use with adequate ventilation.
Hygiene Practices:	Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage:	Store only in well-ventilated areas. Keep container closed when not in use.
Notes from Section 7:	INCOMPATIBILITY: Amines, acids, water, hydroxyl, or active hydrogen compounds.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines**Appropriate engineering controls**

Engineering Controls:	Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.
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Individual protection measures

Eye Protection:	Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.
Skin Protection:	Use neoprene, nitrile, or rubber gloves to prevent skin contact.
Respiratory Protection:	Use a NIOSH approved air-purifying organic vapor respirator if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. For respirator use observe OSHA regulations (29CFR 1910.134) or use in accordance with applicable laws and regulations of your country or particular locality.
Other Protective:	OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.
Hygiene Practices:	Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

Section 9: Physical and Chemical Properties

Physical and chemical properties

Physical State:	Paste
Color:	Blue
Odor:	Epoxy
pH:	Not Applicable
Boiling Temperature:	Not Applicable
Decomposition Temperature:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Heavier than Air
Freezing Temperature:	Not Determined
Density:	1.5 g/cm ³ - 12.50 lb/gal

Solubility In Water:	Insoluble
Evaporation Rate:	Not Applicable
VOC Content:	VOC CALCULATED: 0.12 lb/gal, 15 g/l
Viscosity:	VISCOSITY, KINEMATIC: Not Determined
Odor Threshold:	Not Determined
Octanol Water Partition Coef:	Not Determined
Dynamic Viscosity:	Not Determined
Note from Section 9:	VOLATILE BY WEIGHT: 0.98 % VOLATILE BY VOLUME: 1.70 %
	LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined
Comment from Section 9:	Typical values, not to be used for specification purposes.

Section 10: Stability and Reactivity

Reactivity:

Chemical Stability:

Chemical Stability: Product is stable under normal storage conditions.

Possibility of hazardous reactions:

Hazardous Polymerization: Hazardous polymerization will not occur under normal conditions.

Conditions To Avoid:

Conditions To Avoid: High temperatures.

Incompatible Materials:

Incompatible Materials: Amines, acids, water, hydroxyl, or active hydrogen compounds.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes.

Section 11: Toxicological Information

Toxicological Information:

Product:

Sign and Symptoms: Refer to section 2 of this SDS.

Carcinogenicity: No classification proposed.

Mutagenicity: Germ cell mutagenicity: No classification proposed.

Reproductive Toxicity: Category 2 - Suspected of damaging fertility or the unborn child. May cause harm to breastfed children.

Notes from Section 11: EXPOSURE PATH: Refer to section 2 of this SDS.

Comments from Section 11: Components contributing to classification: Acrylate monomer. Toluene.

Acrylate monomer:

Skin Toxicity: Dermal LD50: Rabbit 4 mL/kg

Ingestion Toxicity: Oral LD50: Rat 1,350 mg/kg

Epoxy resin:

Ingestion Toxicity: Oral LD50: Rat 11,400 mg/kg

Acrylate monomer:

Acute Toxicity: LD50: Not Determined

Inhalation Toxicity: LC50: Not Determined

Section 12: Ecological Information

Acrylate monomer:

Ecotoxicity: Not Determined.

Epoxy resin:

Ecotoxicity: Fish: Oncorhynchus mykiss (rainbow trout) 1.2 mg/l96 h
Invertebrates: Daphnia magna (Water flea) 1.1 mg/l48 h
Plants: Selenastrum capricornutum > 11 mg/l72 h

Acrylate monomer:

Ecotoxicity: Not Determined.

Persistence and degradability:**Product:**

Biodegradation: PERSISTENCE AND DEGRADABILITY: Not determined for this product.

Bioaccumulative potential:**Product:**

BioAccumulation: Not determined for this product.

Mobility in soil:**Product:**

Notes from Section 12: MOBILITY IN SOIL: Not determined for this product.
OTHER ADVERSE EFFECTS: Not determined for this product.

Section 13: Disposal Considerations

Description of waste:

Waste Disposal: Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

Section 14: Transport Information

DOT Shipping Name: Environmentally hazardous substances, liquid, n.o.s.

DOT UN Number: 3082

DOT Hazard Class: 9

DOT Packing Group: III

DOT Other: SECONDARY HAZARD: None.
Emergency Response Guide Number: 171

For US DOT non-bulk road shipments this material may be classified as NOT REGULATED. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

IMDG Shipping Name: Environmentally hazardous substance, liquid, n.o.s.
IMDG UN Number: 3082
IMDG Hazard Class: None
IMDG Packing Group: III
IMDG Other: DOT Hazard Class: 9
 EMS: F-A

The listed transportation classification applies to non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

IATA Shipping Name: Environmentally hazardous substance, liquid, n.o.s.
IATA UN Number: 3082
IATA Hazard Class: None.
IATA Packing Group: III
IATA Other: DOT Hazard Class: 9
 EMS: 9L

Section 15: Regulatory Information

Safety, health and environmental regulations specific for the product:

Regulatory - Product Based:

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.: None.

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS: The chemical substances in this product are on the TSCA Section 8 Inventory.

EXPORT NOTIFICATION: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: None.

Section 16: Additional Information

Creation Date: 06/07/2010
Revision Date: 2018-07-18 15:49:11

Notes from Section 16: Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

HMIS RATINGS: * - Indicates a chronic hazard; see Section 2.

HMIS:

Health	2
Flammability	1
Reactivity	0
PPE	

Chronic Health Hazard

Other Information:

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Section 1: Identification of the Substance/Mixture and of the Company Undertaking

Product identifier used on the label:

Product Name: Speedgrip Plastic Repair Skim Plus (Part B)

Other means of identification:

Product Codes: 63642506400

Recommended use of the chemical and restrictions on use:

Product Uses: Epoxy Adhesive, Part 2 of 2

Chemical manufacturer address and telephone number:

Manufacturer Name: Saint-Gobain Abrasives, Inc.

Manufacturer Address 1: 1 New Bond Street

Manufacturer City: Worcester

Manufacturer State: MA

Manufacturer Zip Code: 01615

Manufacturer Country: USA

Manufacturer Web: www.Nortonabrasives.com

Business Phone: 508-795-5000

Distributor: Saint-Gobain Canada, Inc.

Distributor Address 1: 28 Albert St, W.

Distributor City: Plattsville

Distributor State: ON

Distributor Country: Canada

Distributor Web: www.Nortonabrasives.com

Distributor Phone: 519-684-7441

Emergency phone number:

Emergency Phone: 508-795-5000

Distributor Emergency Phone: 508-795-5000

Creation Date: 06/07/2010

Revision Date: 2018-07-18 15:42:43

Notes from Section 1: CHEMTREC:
For emergencies in the US, call CHEMTREC: 800-424-9300
For emergencies in Canada, call CHEMTREC: 800-424-9300

Section 2: Hazards Identification

Classification of the chemical in accordance with CFR 1910.1200(d)(f):



Signal Words: Danger

Product:

GHS Class: GHS CLASSIFICATION:
 Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 1
 Skin sensitization Category 1
 Respiratory sensitization Category 1
 Reproductive toxicity Category 2
 Specific target organ systemic toxicity (single exposure) Category 3
 Specific target organ systemic toxicity (repeated exposure) Category 2 Kidney
 Hazardous to the aquatic environment - acute hazard Category 1
 Hazardous to the aquatic environment - chronic hazard Category 2

Hazard Statements: H315 - Causes skin irritation.
 H318 - Causes serious eye damage.
 H317 - May cause an allergic skin reaction.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H361 - Suspected of damaging fertility or the unborn child .
 H335 - May cause respiratory irritation.
 H373 - May cause damage to organs through prolonged or repeated exposure.
 (Kidney)
 H400 - Very toxic to aquatic life.
 H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P280 - Wear protective gloves/eye protection/face protection.
 P281 - Use personal protective equipment as required.
 P285 - In case of inadequate ventilation wear respiratory protection.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P273 - Avoid release to the environment.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P321 - Specific treatment (see supplemental first aid instructions on this label).
 P304+P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P362 - Take off contaminated clothing and wash before reuse.
 P391 - Collect spillage.
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 P405 - Store locked up.
 P501 - Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Hazards not otherwise classified that have been identified during the classification process:

Section 3: Composition/Information on Ingredients

Mixtures:

Ingredient Name	CAS Number	Ingredient Percent	EC Number	Comments
4-tert-Butyl phenol	98-54-4	30 - 35%		
Polyamine	PROPRIETARY	10 - 15%		
Nonylphenol	25154-52-3	10 - 15%		
Amine compound	PROPRIETARY	5 - 10%		
Amine compound	PROPRIETARY	0.1 - 0.9%		

Product:

Comments: Any "PROPRIETARY" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

Section 4: First Aid Measures

Description of necessary measures:

Eye Contact: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

Skin Contact: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

Inhalation: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

Most important symptoms/effects, acute and delayed:

Indication of immediate medical attention and special treatment needed

Section 5: Firefighting Measures

Suitable and unsuitable extinguishing media

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unsuitable Media: Not determined for this product.

Specific hazards arising from the chemical

Special protective equipment and precautions for fire-fighters

Fire Fighting Instructions: PRECAUTIONS FOR FIRE-FIGHTERS: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

Protective Equipment: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

Notes from Section 5: SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personnel Precautions: PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Avoid contact. Avoid breathing vapors. Use self-contained breathing equipment.

Methods and materials for containment and cleaning up

Spill Cleanup Measures: METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Scoop spilled material into an appropriate container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

Environmental precautions

Environmental Precautions: Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

Section 7: Handling and Storage**Precautions for safe handling**

Handling: Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation.

Hygiene Practices: Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage: STORAGE: Store only in well-ventilated areas. Keep container closed when not in use.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

Section 8: Exposure Controls/Personal Protection**Exposure Guidelines**

Exposure limit:

Chemical Name: 4-tert-Butyl phenol
 ACGIH TLV-TWA: Not Established
 ACGIH TLV-STEL: Not Established
 OSHA PEL-TWA: Not Established
 OSHA PEL-CEILING: Not Established
 Skin: Not Applicable

Chemical Name: Polyamine
 ACGIH TLV-TWA: Not Established
 ACGIH TLV-STEL: Not Established
 OSHA PEL-TWA: Not Established
 OSHA PEL-CEILING: Not Established
 Skin: Not Applicable

Chemical Name: Nonylphenol
 ACGIH TLV-TWA: Not Established
 ACGIH TLV-STEL: Not Established
 OSHA PEL-TWA: Not Established
 OSHA PEL-CEILING: Not Established
 Skin: Not Applicable

Chemical Name: Amine compound
 ACGIH TLV-TWA: Not Established
 ACGIH TLV-STEL: Not Established
 OSHA PEL-TWA: Not Established
 OSHA PEL-CEILING: Not Established
 Skin: Not Applicable

Chemical Name: Amine compound
 ACGIH TLV-TWA: 1 ppm
 ACGIH TLV-STEL: Not Established
 OSHA PEL-TWA: Not Established
 OSHA PEL-CEILING: Not Established
 Skin: S

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Appropriate engineering controls**Engineering Controls:**

Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

Individual protection measures**Eye Protection:**

Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

Skin Protection:

Use neoprene, nitrile, or rubber gloves to prevent skin contact.

Respiratory Protection:

Use a NIOSH approved air-purifying organic vapor respirator if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. For respirator use observe OSHA regulations (29CFR 1910.134) or use in accordance with applicable laws and regulations of your country or particular locality.

Other Protective:

OTHER PROTECTIVE EQUIPMENT: Remove and wash contaminated clothing before reuse.

Hygiene Practices:

Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

Section 9: Physical and Chemical Properties

Physical and chemical properties

Physical State:	Paste
Color:	White
Odor:	Amine
pH:	Not Applicable
Boiling Temperature:	Not Applicable
Flash Point:	≥ 201 deg F, 93 deg C
Flash Point Method:	Setaflash Closed Cup
Ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Heavier than Air
Freezing Temperature:	Not Determined
Density:	0.94 g/cm ³ - 7.80 lb/gal
Solubility In Water:	Insoluble
Evaporation Rate:	Slower than n-butylacetate
Percent Volatile:	VOLATILE BY WEIGHT: 0.00 % VOLATILE BY VOLUME: 0.00 %
VOC Content:	VOC CALCULATED: 0 lb/gal, 0 g/l
Viscosity:	VISCOSITY, KINEMATIC: Not Determined
Odor Threshold:	Not Determined
Octanol Water Partition Coef:	COEFFICIENT OF WATER/OIL DISTRIBUTION: Not Determined
Dynamic Viscosity:	Not Determined
Note from Section 9:	LOWER EXPLOSIVE LIMIT: Not Applicable UPPER EXPLOSIVE LIMIT: Not Applicable Typical values, not to be used for specification purposes.
Comment from Section 9:	LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Section 10: Stability and Reactivity

Reactivity:**Chemical Stability:**

Chemical Stability:	Product is stable under normal storage conditions.
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Possibility of hazardous reactions:

Hazardous Polymerization:	Hazardous polymerization will not occur under normal conditions.
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Conditions To Avoid:

Conditions To Avoid:	High temperatures.
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Incompatible Materials:

Incompatible Materials:	Strong acids, bases, and strong oxidizers.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, organic or inorganic nitrogen compounds including traces of hydrogen cyanide

Section 11: Toxicological Information

Toxicological Information:

Product:

Sign and Symptoms: Refer to section 2 of this SDS.

Carcinogenicity: No classification proposed

Mutagenicity: Germ cell mutagenicity: No classification proposed

Reproductive Toxicity: Category 2 - Suspected of damaging fertility or the unborn child.
Components contributing to classification: 4-tert-Butyl phenol. Nonylphenol. Amine compound.

Notes from Section 11: EXPOSURE PATH: Refer to section 2 of this SDS.

Nonylphenol:

Skin Toxicity: Dermal LD50: Rabbit 2,031 mg/kg

Ingestion Toxicity: Oral LD50: Rat 580 mg/kg

Amine compound:

Skin Toxicity: Dermal LD50: Rabbit 880 µL/kg

Ingestion Toxicity: Oral LD50: Rat 2140 µL/kg

Ingestion Toxicity: Oral LD50: Rat 1,080 mg/kg

Inhalation Toxicity: Inhalation LC50: Rat 70 mg/l /4 h

4-tert-Butyl phenol:

Skin Toxicity: Dermal LD50: Rabbit 2,318 mg/kg

Ingestion Toxicity: Oral LD50: Rat 4,000 mg/kg

Polyamine:

Acute Toxicity: GHS LD50: Acute toxicity point estimate 1,100 mg/kg

Ingestion Toxicity: Oral LD50: Rat 2,500 mg/kg

Section 12: Ecological Information

Nonylphenol:

Ecotoxicity:

Fish:
Pimephales promelas 0.135 mg/l/96 h flow-through

Invertebrates:
Daphnia magna 0.14 mg/l/48 h
Daphnia magna 0.17 - 0.21 mg/l/48 h Static
Daphnia magna 0.0874 - 0.124 mg/l/48 h semi-static

Plants:
Pseudokirchneriella subcapitata 0.41 mg/l/96 h
Desmodemus subspicatus 1.3 mg/l/72 h

Amine compound:

Ecotoxicity:**Fish:**

Pimephales promelas 1,950 - 2,460 mg/l96 h flow-through
 Poecilia reticulata > 1,000 mg/l96 h semi-static
 Oncorhynchus mykiss >= 100 mg/l96 h semi-static

Invertebrates:

Daphnia magna 32 mg/l48 h

Plants:

Pseudokirchneriella subcapitata 495 mg/l72 h

Ecotoxicity:**Fish:**

Poecilia reticulata 248 mg/l96 h Static
 Poecilia reticulata 1,014 mg/l96 h semi-static

Invertebrates:

Daphnia magna 16 mg/l48 h

Plants:

Pseudokirchneriella subcapitata 1,164 mg/l72 h
 Pseudokirchneriella subcapitata 345.6 mg/l96 h
 Desmodesmus subspicatus 592 mg/l96 h

4-tert-Butyl phenol:**Ecotoxicity:****Fish:**

Pimephales promelas 4.71 - 5.62 mg/l96 h flow-through
 Cyprinus carpio 6.9 mg/l96 h Static

Invertebrates:

Daphnia magna 3.9 mg/l48 h
 Daphnia magna 3.4 - 4.5 mg/l48 h Static

Plants:

Desmodesmus subspicatus 11.2 mg/l72 h

Polyamine:**Ecotoxicity:****Fish:**

Poecilia reticulata 570 mg/l96 h semi-static
 Pimephales promelas 495 mg/l96 h

Invertebrates:

Daphnia magna 31.1 mg/l48 h

Plants:

Desmodesmus subspicatus 2.5 mg/l72 h
 Pseudokirchneriella subcapitata 20 mg/l72 h
 Pseudokirchneriella subcapitata 3.7 mg/l96 h

Persistence and degradability:**Product:****Biodegradation:**

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

Bioaccumulative potential:**Product:****BioAccumulation:**

BIOACCUMULATIVE: Not determined for this product.

Mobility in soil:**Product:**

Notes from Section 12:

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.

Section 13: Disposal Considerations**Description of waste:****Waste Disposal:**

Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

Section 14: Transport Information**DOT Shipping Name:**

Environmentally hazardous substances, liquid, n.o.s.

DOT UN Number:

3082

DOT Hazard Class:

9

DOT Packing Group:

III

DOT Other:

SECONDARY HAZARD: None

Emergency Response Guide Number: 171

For US DOT non-bulk road shipments this material may be classified as NOT REGULATED. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

IMDG Shipping Name:

Environmentally hazardous substance, liquid, n.o.s.

IMDG UN Number:

3082

IMDG Hazard Class:

None

IMDG Packing Group:

III

IMDG Other:

DOT Hazard Class: 9

EMS: F-A

IATA:

IATA Cargo

IATA Shipping Name:

Environmentally hazardous substance, liquid, n.o.s.

IATA UN Number:

3082

IATA Hazard Class:

None

IATA Packing Group:

III

IATA Other:

DOT Hazard Class: 9

EMS: 9L

Notes from Section 14:

The listed transportation classification applies to non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

Section 15: Regulatory Information**Safety, health and environmental regulations specific for the product:**

Regulatory - Product Based:**Section 313 Toxic Release Form:**

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.:

Chemical Name: Nonylphenol
 CAS Number: 25154-52-3
 Weight % Less Than: 15.0 %

TSCA 8(b): Inventory Status:

INVENTORY STATUS: The chemical substances in this product are on the TSCA Section 8 Inventory.

TSCA 12(b): Export Notification:

EXPORT NOTIFICATION: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None

Section 16: Additional Information

Creation Date: 06/07/2010

Revision Date: 2018-07-18 15:42:43

Notes from Section 16: Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

* - Indicates a chronic hazard; see Section 2

HMIS:

Health	3*
Flammability	1
Reactivity	0
PPE	

Chronic Health Hazard

Other Information:

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