



KIT - SAFETY DATA SHEET

Product identifier used on the label:

Kit Name **SpeedGrip Structural Adhesive-5 Minute Adh.**
Stock No. 63642504616

Other means of identification:

Product Description: None
Synonyms: None

Recommended use of the chemical and restrictions on use:

Product uses: Urethane 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 Structural Adhesive-5 Minute Adh. Pt. A	SpeedGrip Structural Adhesive-5 Minute Adh. Pt. A
SpeedGrip Structural Adhesive-5 Minute Adh. Pt. B	SpeedGrip Structural Adhesive-5 Minute Adh. Pt. B
Kit SDS Revision Date	12/04/18



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

Product identifier used on the label:

Product Name: SpeedGrip Structural Adhesive-5 Minute Adh. Pt. A

Other means of identification:

Product Codes: 63642504616

Recommended use of the chemical and restrictions on use:

Product Uses: Urethane 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

Emergency phone number:

Emergency Phone: 508-795-5000

Creation Date: 2018-11-12

Revision Date: 2018-12-04 15:38:24

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:**

Acute toxicity Inhalation - Dust and Mist Category 4 - 19.2% of the mixture consists of ingredient(s) of unknown toxicity.
 Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2A
 Skin sensitization Category 1A
 Respiratory sensitization Category 1
 Specific target organ systemic toxicity (single exposure) Category 1 Respiratory system
 Specific target organ systemic toxicity (single exposure) Category 3
 Specific target organ systemic toxicity (repeated exposure) Category 1 Respiratory system
 Aspiration hazard Category 1
 Hazardous to the aquatic environment - acute hazard Category 3
 Hazardous to the aquatic environment - chronic hazard Category 3

Hazard Statements:

H332 - Harmful if inhaled.
 H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H317 - May cause an allergic skin reaction.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H370 - Causes damage to organs.(Respiratory system)
 H335 - May cause respiratory irritation.
 H372 - Causes damage to organs through prolonged or repeated exposure.
 (Respiratory system)
 H304 - May be fatal if swallowed and enters airways.
 H412 - Harmful to aquatic life with long lasting effects.
 H402 - Harmful to aquatic life.

Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P285 - In case of inadequate ventilation wear respiratory protection.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 - Wash thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 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.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P307+P311 - IF exposed: Call a POISON CENTER or doctor/physician.
 P321 - Specific treatment (see supplemental first aid instructions on this label).
 P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 P302+P352 - IF ON SKIN: Wash with plenty of 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.
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 - Do NOT induce vomiting.
 P362 - Take off contaminated clothing and wash before reuse.
 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
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4,4'-Diphenylmethane diisocyanate	101-68-8	Range: 15 -20 %		
Aromatic polyisocyanate	PROPRIETARY	Range: 10- 15 %		
Diphenylmethane diisocyanate	26447-40-5	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:	FIRST AID - 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:	FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.
Ingestion:	FIRST AID - 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 EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog
Unsuitable Media:	UNSUITABLE EXTINGUISHING 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:	SPECIAL PROTECTIVE EQUIPMENT 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: During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion. Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool.

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.
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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.

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:	HYGIENIC 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.
	INCOMPATIBILITY: Amines, acids, water, hydroxyl, or active hydrogen compounds.; Strong bases and oxidizers.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

Exposure Guidelines - Ingredient Based:

4,4'-Diphenylmethane diisocyanate:

ACGIH - TLV - TWA:	0.005 ppm
ACGIH - TLV - STEL:	N.E.
USA - OSHA - PEL - TWA:	N.E.
USA - OSHA - PEL - Ceiling:	0.2 mg/m3 0.02 ppm

Aromatic polyisocyanate:

ACGIH - TLV - TWA:	N.E.
ACGIH - TLV - STEL:	N.E.
USA - OSHA - PEL - TWA:	N.E.
USA - OSHA - PEL - Ceiling:	N.E.
Skin:	N.A.

Diphenylmethane diisocyanate:

ACGIH - TLV - TWA:	N.E.
ACGIH - TLV - STEL:	N.E.
USA - OSHA - PEL - TWA:	N.E.
USA - OSHA - PEL - Ceiling:	0.2 mg/m ³ 0.02 ppm
Skin:	N.A.

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: This product contains isocyanates which have poor odor warning properties. If occupational exposure limits are exceeded, a NIOSH approved supplied-air respirator is required. For respirator use observe OSHA regulations (29CFR 1910.134) or use in accordance with applicable laws and regulations of your country or particular locality.

Hygiene Practices: HYGIENIC 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.

PPE Routine Handling: OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse. Use long-sleeved shirt to minimize skin exposure.

Notes from Section 8: N.A. -Not Applicable, N.E. - Not Established, S - Skin Designation

Section 9: Physical and Chemical Properties

Physical and chemical properties

Physical State: Liquid
APPEARANCE: Brown

Odor: No

pH: N.A.

Boiling Temperature: N.A.

Flash Point: ≥ 201 °F, 93 °C

Flash Point Method: Setaflash Closed Cup

Ignition Temperature: N.D.

Lower Flammable Limit: LOWER EXPLOSIVE LIMIT: Not Applicable

Upper Flammable Limit: UPPER EXPLOSIVE LIMIT: Not Applicable

Decomposition Temperature: N.D.

Vapor Pressure: N.D.

Vapor Density: Heavier than Air

Freezing Temperature: N.D.

Solubility In Water: Insoluble

Evaporation Rate:	Slower than n-butylacetate
Partition Coefficient:	COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.
Percent Volatile:	VOLATILE BY WEIGHT: 0.50% VOLATILE BY VOLUME: 0.89%
VOC Content:	VOC CALCULATED: 0.06 lb/gal, 7 g/l
Viscosity:	VISCOSITY, KINEMATIC: N.D.
Odor Threshold:	N.D.
Dynamic Viscosity:	N.D.
Note from Section 9:	Typical values, not to be used for specification purposes.
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.

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: INCOMPATIBILITY: Amines, acids, water, hydroxyl, or active hydrogen compounds.; Strong bases and oxidizers.

Hazardous Decomposition Products: Monomeric isocyanate, traces of hydrogen cyanide, nitrogen dioxide, Carbon monoxide, carbon dioxide

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: No classification proposed

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

4,4'-Diphenylmethane diisocyanate:

Skin Toxicity: LD50/LC50:
Dermal LD50: rabbit > 5,000 mg/kg

Ingestion Toxicity: LD50/LC50:
Oral LD50: Rat 31,600 mg/kg

Inhalation Toxicity: LD50/LC50:
GHS LC50 (vapour): Acute toxicity point estimate 11 mg/l /4 h GHS LC50
dust and mist : Acute toxicity point estimate 1.5 mg/l /4 h

Aromatic polyisocyanate:

Skin Toxicity:	LD50/LC50: Dermal LD50: Rabbit > 9,400 mg/kg Dermal LD50: Rabbit > 9.4 g/kg
Ingestion Toxicity:	LD50/LC50: Oral LD50: Rat 49
Inhalation Toxicity:	LD50/LC50: GHS LC50 (vapour): Acute toxicity point estimate 11 mg/l GHS LC50 (dust and mist): Acute toxicity point estimate 1.5 mg/l

Diphenylmethane diisocyanate:

Skin Toxicity:	LD50/LC50: Dermal LD50: Rabbit > 10,000 mg/kg
Ingestion Toxicity:	LD50/LC50: Oral LD50: Rat > 10,000 mg/kg
Inhalation Toxicity:	LD50/LC50: GHS LC50 (vapour): Acute toxicity point estimate 11.0 mg/l GHS LC50 (dust and mist): Acute toxicity point estimate 1.5 mg/l Inhalation LC50: Rat 490 mg/m ³ /4 h

Section 12: Ecological Information

4,4'-Diphenylmethane diisocyanate:

Effect of Material On Aquatic:	Fish: Species > 1,000 mg/196 h Invertebrates: Daphnia magna > 1,000 mg/148 h
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Aromatic polyisocyanate:

Effect of Material On Aquatic:	N.D.
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Diphenylmethane diisocyanate:

Effect of Material On Aquatic:	N.D.
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Persistence and degradability:

Product:

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

Product:

BioAccumulation:	Not determined for this product.
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Mobility in soil:

Product:

Mobility In Environmental Media:	MOBILITY IN SOIL: Not determined for this product.
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Notes from Section 12:	OTHER ADVERSE EFFECTS: Not determined for this product.
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Section 13: Disposal Considerations

Description of waste:

Waste Disposal:	DISPOSAL METHOD: 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.
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Section 14: Transport Information

Transportation: This product is NOT REGULATED for non-bulk shipments. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

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.:

Chemical Name CAS Number Weight % Less Than
 4,4'-Diphenylmethane diisocyanate 101-68-8 20.0%
 Aromatic polyisocyanate PROPRIETARY 15.0%
 Diphenylmethane diisocyanate 26447-40-5 10.0%

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: 2018-11-12

Revision Date: 2018-12-04 15:38:24

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	2*
Flammability	1
Reactivity	2
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 Structural Adhesive-5 Minute Adh. Pt. B

Other means of identification:

Product Codes: 63642504616

Recommended use of the chemical and restrictions on use:

Product Uses: Urethane Adhesive, Part 2 of 2

Product Restrictions: For Professional Use Only.

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

Creation Date: 2018-11-12

Revision Date: 2018-12-04 15:39:19

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 sensitization Category 1
 Reproductive toxicity Category 1B
 Specific target organ systemic toxicity (repeated exposure) Category 1 Respiratory system
 Hazardous to the aquatic environment - acute hazard Category 3
 Hazardous to the aquatic environment - chronic hazard Category 3

Hazard Statements: H317 - May cause an allergic skin reaction.
 H360 - May damage fertility or the unborn child .
 H372 - Causes damage to organs through prolonged or repeated exposure. (Respiratory system)
 H402 - Harmful to aquatic life.
 H412 - Harmful 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.
 P281 - Use personal protective equipment as required.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 - Wash thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P273 - Avoid release to the environment.
 P314 - Get medical advice/attention if you feel unwell.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.
 P320 - 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.
 P363 - Wash contaminated clothing before reuse.
 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
Amide	PROPRIETARY	Range : 1-5%		
8-hydroxy Quinoline	148-24-3	Range : 0.1-0.9%		
Carbon black	1333-86-4	Range : 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:	This material is not likely to be hazardous by inhalation. However, if exposed to excessive levels of vapor or mist, remove to fresh air, give oxygen if breathing is difficult, and 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:	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.
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.
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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. Contain and remove with inert absorbent material.
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. Contain and remove with inert absorbent material.

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. Do not smoke in any chemical handling or storage area. 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.
INCOMPATIBILITY: Acids, caustics, amines, ammonia, halogens, and isocyanates.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

Exposure Guidelines - Ingredient Based:

Amide:

ACGIH - TLV - TWA: N.E.

ACGIH - TLV - STEL: N.E.

USA - OSHA - PEL - TWA: N.E.

USA - OSHA - PEL - TWA: N.E.

USA - OSHA - PEL - Ceiling: N.E.

Skin: N.E.

8-hydroxy Quinoline:

ACGIH - TLV - TWA: N.E.

ACGIH - TLV - STEL: N.E.

USA - OSHA - PEL - TWA: N.E.

USA - OSHA - PEL - Ceiling: N.E.

Skin: N.E.

Carbon black:

ACGIH - TLV - TWA: 3mg/m³

ACGIH - TLV - STEL: N.E.

USA - OSHA - PEL - TWA: 3.5mg/m³

USA - OSHA - PEL - Ceiling: N.E.

Skin: N.E.

Appropriate engineering controls

Engineering Controls: Provide adequate general ventilation where this product is used.

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:	Respiratory protection is not required under normal working conditions where adequate ventilation is present.
Hygiene Practices:	Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.
PPE Routine Handling:	OTHER PROTECTIVE EQUIPMENT: Remove and wash contaminated clothing before reuse.
Notes from Section 8:	N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Section 9: Physical and Chemical Properties

Physical and chemical properties

Physical State:	Paste APPEARANCE : Black
Odor:	No .
pH:	N.A.
Boiling Temperature:	N.A.
Flash Point:	≥201 °F, 93 °C
Flash Point Method:	Setaflash Closed Cup
Ignition Temperature:	N.D.
Lower Flammable Limit:	Not Applicable
Upper Flammable Limit:	Not Applicable
Decomposition Temperature:	N.D.
Vapor Pressure:	N.D.
Vapor Density:	Heavier than Air
Freezing Temperature:	N.D.
Density:	1.34 g/cm ³ - 11.13 lb/gal
Solubility In Water:	Insoluble
Evaporation Rate:	Not Applicable
Percent Volatile:	VOLATILE BY WEIGHT:0.00% VOLATILE BY VOLUME:0.00%
VOC Content:	0 lb/gal, 0 g/l
Viscosity:	≥25,000 mPa.s @ 25 °C ≥18,657 mm ² /s @25 °C KINEMATIC: ≥18,657 mm ² /s @25 °C
Odor Threshold:	N.D.
Octanol Water Partition Coef:	COEFFICIENT OF WATER/OIL : N.D.
Dynamic Viscosity:	≥25,000 mPa.s @ 25 °C
Note from Section 9:	Typical values, not to be used for specification purposes. 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.

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: Acids, caustics, amines, ammonia, halogens, and isocyanates.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Section 11: Toxicological Information

Toxicological Information:**Product:**

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

Carcinogenicity: No classification proposed

Mutagenicity: No classification proposed

Reproductive Toxicity: Category 1B - May damage fertility or the unborn child.
Components contributing to classification: 8-hydroxy quinoline.

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

Carbon black:

Skin Toxicity: LD50/LC50 : Dermal LD50: Rabbit > 3 g/kg

Ingestion Toxicity: LD50/LC50 : Oral LD50: Rat > 15,400 mg/kg

Inhalation Toxicity: LD50/LC50 : GHS LC50 (vapour): Acute toxicity point estimate 55 mg/l

Amide:

Ingestion Toxicity: LD50/LC50 : Oral LD50: Rat > 15,400 mg/kg

8-hydroxy Quinoline:

Skin Toxicity: LD50/LC50 : Dermal LD50: Rat > 10,000 mg/kg

Ingestion Toxicity: LD50/LC50 : Oral LD50: Rat 1,200 mg/kg

Inhalation Toxicity: LD50/LC50 : Inhalation LC50: Rat > 1,210 mg/m³ /6 h

Section 12: Ecological Information

Ecotoxicity:**Product:**

Ecotoxicity: ADDITIONAL ECOLOGICAL INFORMATION: Product testing or applied bridging principals concludes that EC50 (NOEC) is > 1 Omg/L per OECD Guidelines 201: Freshwater Alga and Cyanobacteria, Growth Inhibition Test.

Carbon black:

Effect of Material On Aquatic: N.D.

Amide:

Effect of Material On Aquatic: Fish: Cyprinus carpio (Carp) > 0.2 mg/196 h
 Invertebrates: Daphnia magna (Water flea) > 0.2 mg/148 h
 Plants: freshwater algae 0.025 mg/l

8-hydroxy Quinoline:

Effect of Material On Aquatic: N.D.

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:**

Mobility In Environmental Media: Not determined for this product.

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

Section 13: Disposal Considerations

Description of waste:

Waste Disposal: DISPOSAL METHOD: 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

Transportation: This product is NOT REGULATED for non-bulk shipments. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

Section 15: Regulatory Information

Safety, health and environmental regulations specific for the product:**Regulatory - Product Based:**

**U.S. FEDERAL REGULATIONS: AS
FOLLOWS::**

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: 2018-11-12

Revision Date: 2018-12-04 15:39:19

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	1*
Flammability	1
Reactivity	0
PPE	

Chronic Health Hazard

Other Information:

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