




ASI 57

Section 1: Product and Company Identification	
<p>American Sealants, Inc. 9190 Yeager Ln Fort Wayne, Indiana 46809 Phone: 260-489-0728 Fax: 260-489-0519</p>	<p>Emergency Phone Number INFOTRAC (International): 1-352-323-3500 INFOTRAC (North America): 1-800-535-5053</p>
<p>Product Identifier: ASI 57 Recommended Use: Adhesive/sealant Restrictions on Use: None</p>	

Section 2: Hazard(s) Identification	
GHS Classification:	
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Irritation	Category 2
Skin Sensitization	Category 1
GHS Label Elements:	
Symbol(s):	
Signal Warning:	Warning
Hazard Statement(s):	Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction
Precautionary Statement(s):	
Prevention:	Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water Take off contaminated clothing and wash before reuse If skin irritation or rash occurs: Get medical advice/attention

Disposal:	Dispose of contents/container to an approved waste disposal plant
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Section 3: Composition/Information on Ingredients		
Chemical Name	CAS No.	Weight %
Proprietary	Proprietary	40-50
Proprietary	Proprietary	10-20
Proprietary	Proprietary	< 5
Proprietary	Proprietary	< 1
Proprietary	Proprietary	< 1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4: First-Aid Measures	
Inhalation:	IF INHALED: Remove to fresh air
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact:	IF I EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	IF SWALLOWED: Clean mouth with water and drink plenty of water afterwards.
Most Important Symptoms and Effects: May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.	
Indication of any immediate medical attention and special treatment needed:	
Notes to physician:	Treat symptomatically

Section 5: Fire-Fighting Measures	
Suitable Extinguishing Media:	Carbon Dioxide (CO ₂) Dry Chemical Foam Water Spray (fog)
Unsuitable Extinguishing Media:	Not determined
Specific Hazards Arising from the Chemical:	Products may burn, but do not ignite readily.
Hazardous Combustion Products:	This product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons
Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move material from fire area if it can be done without risk. Cool containers with water. Avoid inhalation of vapors or combustion by-products. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out low areas.	



Section 6: Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures	
Personal Precautions:	Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal.
Environmental Precautions:	Avoid release to the environment.
Methods and Materials for Containment and Cleaning Up	
Methods for Containment:	Prevent further leakage or spillage if safe to do so.
Methods for Clean Up:	Ventilate the area. Stop leak if possible without personal risk. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

Section 7: Handling and Storage	
Precautions for Safe Handling	
Advice on Safe Handling	Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands and any exposed skin thoroughly after handling.
Conditions for Safe Storage, including and incompatibilities	
Storage Conditions:	Store and handle in accordance with all current regulations and standards. Keep container tightly closed. Keep separated from incompatible substances.
Incompatibilities:	Strong acids. Strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection		
Component Exposure Limits		
Chemical Component	CAS No.	Exposure Limits
Proprietary	Proprietary	OSHA PEL: TWA: 15 mg/m3 (total dust) TWA: 5 mg/m3 (respirable fraction) TWA (vacated): 15 mg/m3 (total dust) TWA (vacated): 5 mg/m3 (respirable fraction) NIOSH IDLH: TWA: 10 mg/m3 (total dust) TWA: 5 mg/m3 (respirable fraction)
Proprietary	Proprietary	NIOSH IDLH: TWA: 10 mg/m3 (total dust) TWA: 5 mg/m3 (respirable dust)
Proprietary	Proprietary	ACGIH TLV TWA: 3 mg/m3 (inhalable particulate matter) OSHA PEL TWA: 3.5 mg/m3

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		<p>TWA (vacated): 3.5 mg/m³</p> <p>NIOSH IDLH</p> <p>IDLH: 1750 mg/m³</p> <p>TWA: 3.5 mg/m³</p> <p>TWA: 0.1 mg/m³ (Carbon black in presence of Polycyclic aromatic hydrocarbons PAH)</p>
Proprietary	Proprietary	<p>ACGIH TLV</p> <p>STEL: 0.2 mg/m³ Sn</p> <p>TWA: 0.1 mg/m³ Sn</p> <p>S*</p> <p>OSHA PEL</p> <p>TWA: 0.1 mg/m³ Sn</p> <p>(vacated) TWA: 0.1 mg/m³ Sn</p> <p>(vacated) S*</p> <p>NIOSH IDLH</p> <p>IDLH: 25 mg/m³ Sn</p> <p>TWA: 0.1 mg/m³ except Cyhexatin Sn</p>
<p>Appropriate Engineering Controls:</p>		<p>Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.</p>
<p>Individual protection measures, such as personal protective equipment</p>		
<p>Eye/Face Protection:</p>		<p>Wear splash resistant safety goggles with a face shield.</p>
<p>Skin and Body Protection:</p>		<p>Wear appropriate chemical resistant clothing. Skin should be washed after contact.</p>
<p>Respiratory Protection:</p>		<p>Use an approved respirator if exposure limits are exceeded or if irritation develops or persists.</p>
<p>General Hygiene Considerations:</p>		<p>Handle in accordance with good industrial hygiene and safety practice.</p>

Section 9: Physical and Chemical Properties			
Physical State:	Liquid	Appearance:	Paste
Color:	In accordance with product description		
Odor:	Odorless	Odor Threshold:	Not determined
pH:	Not determined	Melting Point:	Not determined
Boiling Point:	Not determined	Flash Point:	>93.3° C (200° F)
Evaporation Rate:	Not determined	Flammability (Sold, Gas)	Liquid-Not applicable
Flammability Limits in Air:		Upper Limit:	Not determined
		Lower Limit:	Not determined
Vapor Pressure:	Not determined	Vapor Density:	1.3-1.7
Density:	13.75 lb/gal	Water Solubility:	Slightly soluble
Solubility in other Solvents:	Not determined	Partition Coefficient:	Not determined
Auto-ignition Temp.:	Not determined	Decomposition Temp.:	Not determined
Kinematic Viscosity:	Not determined	Dynamic Viscosity:	Not determined
Explosive Properties:	Not determined	Oxidizing Properties:	Not determined

Section 10: Stability and Reactivity	
Reactivity:	Not reactive under normal conditions.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	None under normal processing.
Hazardous Polymerization:	Will not polymerize
Conditions to Avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid contact with incompatible materials.
Incompatible Materials:	Strong acids. Strong oxidizing agents.
Hazardous Decomposition Products:	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide, and other low molecular weight hydrocarbons.

Section 11: Toxicological Information					
Information on Likely Routes of Exposure					
Eye Contact:	Causes serious eye irritation				
Skin Contact:	Causes skin irritation				
Inhalation:	Do not inhale				
Ingestion:	May be harmful if swallowed				
Component Information					
Component	CAS No.	Results	Species	Dose	Exposure
Proprietary	Proprietary	LD50 Oral	Rat	=3,750 mg/kg >2 g/kg	N/A
Proprietary	Proprietary	LD50 Oral	Rat	=6,450 mg/kg	N/A
Proprietary	Proprietary	LD50 Oral	Rat	20,000 mg/kg	N/A
Proprietary	Proprietary	LD50 Oral LD50 Dermal	Rat Rabbit	>15,400 mg/kg >3 g/kg	N/A
Proprietary	Proprietary	LC50 Inhalation	Rat	500 mg/m3	4 hr
Proprietary	Proprietary	LD50 Oral LD50 Dermal	Rat Rabbit	7,340 µL/kg 3,360 µL/kg	N/A
Proprietary	Proprietary	LD50 Oral	Rat	7,460 µL/kg	N/A
Proprietary	Proprietary	LD50 Dermal	Rabbit	>5 g/kg	N/A
Information on physical, chemical, and toxicological effects					
Symptoms:	Please see Section 4 of the SDS for symptoms				
Delayed and immediate effects as well as chronic effects from short and long-term exposure					
Sensitization:	May cause an allergic skin reaction.				
Carcinogenicity:	Carbon black is a possible carcinogen when it appears as a respirable dust.				
Chemical Name	CAS No.	ACGIH	IARC	NTP	OSHA



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Proprietary	Proprietary	A3	Group 2B		X
<p>Legend</p> <p>ACGIH (American Conference of Governmental Industrial Hygienists) A3 - Animal Carcinogen</p> <p>IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans</p> <p>OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present</p> <p>Numerical Measures of Toxicity The following values are calculated based on chapter 3.1 of the GHS document .</p> <p>ATEmix (oral): 3,222.00 mg/kg ATEmix (dermal): 8,480.00 mg/kg</p>					

Section 12: Ecological Information						
<p>Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.</p>						
Component Information						
Component	CAS No.	Aquatic	Result	Species	Dose	Exposure
Proprietary	Proprietary	Invertebrates	EC50	Water Flea (Daphnia magna)	5,600 mg/L	24 hr
<p>Persistence/Degradability: Not determined</p> <p>Bioaccumulation: Not determined</p> <p>Mobility: Not determined</p> <p>Other Adverse Effects: Not determined</p>						

Section 13: Disposal Considerations		
Waste Treatment Methods		
Disposal of Wastes:	Disposal should be in accordance with applicable regional, national and local laws and regulations.	
Contaminated Packaging:	Disposal should be in accordance with applicable regional, national and local laws and regulations.	
California Hazardous Waste Status		
Chemical Component	CAS No.	California Hazardous Waste Status
Proprietary	Proprietary	Toxic



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Section 14: Transport Information

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

Section 15: Regulatory Information

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary				Present				X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories

Acute Health Hazard: No
Chronic Health Hazard: Yes
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations

Chemical Name	CAS No.	New Jersey	Massachusetts	Pennsylvania
Proprietary	Proprietary	X	X	X
Proprietary	Proprietary	X	X	X

Section 16: Other Information

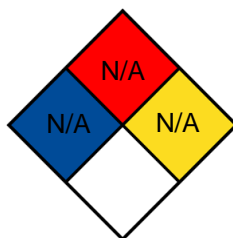
Issue Date: 07/21/2016

Revision Date: 08/2/2016

Revision No. 1

NFPA Ratings:

Health: N/A
Fire: N/A
Reactivity: N/A



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe



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HMIS III:

HEALTH	N/A
FLAMMABILITY	N/A
PHYSICAL HAZARD	N/A

0 = Not Significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Key/Legend:

AICS (Australia); DSL (Canada); IECSC (China); REACH (European Union); ENCS (Japan); ISHL (Japan); KECI (Korea); NZIoC (New Zealand); PICCS (Philippines); TCSI (Taiwan); TSCA (USA); ACGIH – USA. ACGIH Threshold Limit Values (TLV); NIOSH REL – USA. NIOSH Recommended Exposure Limits; OSHA P0 – USA. OSHA – TABLE Z-1 Limits for Air Contaminants – 1910.1000; OSHA Z-1 – USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminates; OSHA Z-3 – USA. Occupational Exposure Limits (OSHA) – Table Z-3 Mineral Dusts; ACGIH / TWA – 8-hour, time-weighted average; NIOSH REL / TWA – Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek; NIOSH REL / ST – STEL – 15-minute TWA exposure that should not be exceeded at any time during a workday; OSHA P0 / TWA - 8-hour, time-weighted average; OSHA Z-1 / TWA - 8-hour, time-weighted average; OSHA Z-3 / TWA - 8-hour, time-weighted average

Disclaimer:

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations.

End of Document



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410 Pike Road • Huntingdon Valley, PA 19006



ASI 57 Clear

Section 1: Product and Company Identification	
American Sealants, Inc. 9190 Yeager Ln Fort Wayne, Indiana 46809 Phone: 260-489-0728 Fax: 260-489-0519	Emergency Phone Number Infotrac: +1-800-535-5053 (Within US) Infotrac: +1-352-323-3500 (Outside US)
Product Identifier:	ASI 57 Clear
Recommended Use:	Sealant
Restrictions on Use:	None known

Section 2: Hazard(s) Identification	
Classification in accordance with 29 CFR 1910.1200.	
Irritant, Category 2	
Acute Effects:	No information on significant adverse effects.
Delayed Effects:	No information on significant adverse effects.
Indication of Immediate Medical Attention and Special Treatment Needed, If Needed:	Treat symptomatically and supportively.
GHS Label Elements	
Symbol(s):	
Signal Word:	WARNING
Hazard Statement(s):	Causes skin irritation. May cause an allergic reaction. Causes serious eye damage.
Precautionary Statement(s)	
Prevention:	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear protective gloves/protective clothing/eye protection. Dispose of contents/container in accordance with local regulation. Avoid release to the environment.
R-phrases:	Irritating to skin. Risk of serious damage to eyes.

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	May cause sensitization by skin contact.
Storage:	Store in a cool dry area (this product polymerizes when in contact with moisture).
Disposal:	Dispose of contents/container in accordance with local regulation.

Section 3: Composition/Information on Ingredients

<u>CAS</u>	<u>Component</u>	<u>Percent</u>
1760-24-3	Amino Silane	1-3

Section 4: First-Aid Measures

Inhalation:	An unlikely route of entry. Remove to fresh air. Consult a physician.
Skin Contact:	Clean product from affected area with Ethyl alcohol, then wash with soap and water.
Eye Contact:	Flush with large amounts of water for at least 15 minutes. Consult a physician if ill effects or irritation occurs.
Ingestion:	An unlikely route of entry. Consult a physician.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Use carbon dioxide, regular dry chemical, regular foam or water.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical	
Hazardous Decomposition Products:	Thermal decomposition may produce toxic fumes of carbon monoxide, carbon dioxide, sulfur oxides, and hydrogen.
Special Protective Equipment and Precautions for Firefighters:	Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.
Special Protective Actions for Firefighters:	None known.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Use personal protection recommended in Section 8. Avoid eye, skin and clothing contact.
Methods and Materials for Containment	Collect spill with absorbent material such as cardboard, allow to

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and Cleaning Up: cure and place into a container approved for waste disposal.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7: Handling and Storage

Precautions for Safe Handling

Handling Precautions: Use personal protection recommended in Section 8.
Avoid eye, skin and clothing contact.

Prevention of fires and explosions: Product is not considered flammable under normal conditions, and product is not considered explosive.

Advice on General Occupational Hygiene: Do not eat, drink, or smoke when using this product.
Wash thoroughly after handling.

Conditions for Safe Storage, including any Incompatibilities: Store in a cool dry area (this product polymerizes when in contact with moisture).

Incompatibilities: None known

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits: Not Available

Appropriate Engineering Controls: Not Available

Environmental Exposure Control: No specific controls are needed.

Individual Protection Measures

Eye/Face Protection: Wear safety glasses or goggles to avoid eye contact.

Skin Protection: Wear impervious gloves such as vinyl to minimize contact with skin.

Glove Recommendations: Wear impervious gloves such as vinyl to minimize contact with skin.

Respiratory Protection: Not Available

Section 9: Physical and Chemical Properties

Physical State: Liquid

Color: Not available

Odor: Mild mint scent

pH: Not available

Boiling Point: Not available

Flash Point: Not available

OSHA Flammability Class: Not available

Appearance: Paste

Physical Form: Paste

Odor Threshold: Not available

Melting Point: Not available

Decomposition: Not available

Evaporation Rate: Not available

Vapor Pressure: <1

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<p>Vapor Density (air = 1): >1</p> <p>Specific Gravity (water = 1): 1.05</p> <p>Log KOW: Not available</p> <p>KOC: Not available</p> <p>Viscosity: Not available</p> <p>% Volatile: 1.37%</p>	<p>Density: 8.76 lbs./gal (calculated)</p> <p>Water Solubility: Insoluble</p> <p>Coeff. Water/Oil Dist: Not available</p> <p>Auto Ignition: Not available</p> <p>VOC: 14.43 g/L</p> <p>Molecular Formula: Not available</p>
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Section 10: Stability and Reactivity

Reactivity:	No reactivity hazard is expected.
Chemical Stability:	Stable at normal temperatures and pressure.
Possibility of Hazardous Reactions:	This product polymerizes when in contact with moisture.
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Thermal decomposition may produce toxic fumes of carbon monoxide and/or carbon dioxide.

Section 11: Toxicological Information

Acute Toxicity

Component Analysis – LD50/LC50

CAS	Component	Result	Dose	Remark
1760-24-3	Amino silane	LD50 Oral	>2000 mg/kg	Very low order of toxicity
		LD50 Dermal	>2000 mg/kg	Very low order of toxicity

Information on Likely Routes of Exposure

Inhalation:	LC50 Not acutely toxic.
Ingestion:	No information is available.
Skin Contact:	May cause slight irritation.
Eye Contact:	May cause severe irritation of the eyes. Causes corneal injury.
Immediate Effects:	No information is available.
Delayed Effects:	No information is available.
Medical Conditions Aggravated by Exposure:	No information is available.
Irritation/Corrosivity Data:	Causes skin and eye irritation.

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Respiratory Sensitization:	None.
Dermal Sensitization:	None.
Germ Cell Mutagenicity:	None.
Carcinogenicity:	This product contains no ingredients listed as a carcinogen on California Proposition 65 list.
Component Carcinogenicity:	No information available for the product.
Reproductive Toxicity:	None.
Specific Target Organ Toxicity – Single Exposure:	No target organs identified.
Specific Target Organ Toxicity – Repeated Exposure:	No target organs identified.
Aspiration Hazard:	No information available for the product.

Section 12: Ecological Information

Ecotoxicity

No information available for the product.

Component Analysis – Aquatic Toxicity: No information available for the product.

Persistence and Degradability: No information available for the product.

Bioaccumulative Potential: No information available for the product.

Mobility in Soil: No information available for the product.

Biodegradation: No information available for the product.

Section 13: Disposal Considerations

Disposal Methods: If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as define under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. This product becomes a firm synthetic rubber when cured. Please allow to cure before disposal.

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US DOT Information Not regulated as a hazardous material.

TDG Information Not available.

PIN Not available.

Section 15: Regulatory Information

US Federal Regulations

SARA 302 Extremely Hazardous

Substances: None.

SARA 304: Not applicable.

SARA 311/312: Immediate (acute) health hazard.

SARA 313: None.

OSHA 29 CFR 1910.1200 Irritant.

TSCA: All components of this product are listed on TSCA Inventory.

CERCLA Reportable Quantity: Not applicable.

US State Regulations

California Proposition 65: This product does not contain any chemicals known by the State of California to cause cancer or reproductive harm.

Component Analysis – International Inventories: No information available for the product.

Rotterdam Convention (PIC) Annex III: Listed (Tributyl tin compounds (impurities) <2ppm)

WHIMS Classification: D2B

Section 16: Other Information

Issue Date: 1/12/2015

Revision: 3

Revised Date: 8/22/2018

HMIG:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = Not Significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

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Key/Legend:

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Disclaimer:

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