



ASI Compound 70

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 Compound 70
Recommended Use:	Lubricant (not for medical purposes)
Restrictions on Use:	None known

Section 2: Hazard(s) Identification	
GHS Classification:	Not a hazardous substance or mixture.
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):	None.
Signal Word:	None.
Hazard Statement(s):	None known.
Precautionary Statement(s) Prevention:	Use personal protective equipment as required. Wear safety glasses and gloves. Avoid contact with eyes. Nonflammable or combustible, but may burn if involved in a fire.
Response:	None known.
Storage:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.

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Section 3: Composition/Information on Ingredients

<u>CAS</u>	<u>Component</u>	<u>Percent</u>
63148-62-9	Dimethyl siloxanes and silicones	>90
112945-52-5	Silicon dioxide, amorphous	<10

Section 4: First-Aid Measures

Inhalation:	IF INHALED: Remove to fresh air. Get medical attention if symptoms occur.
Skin Contact:	IF ON SKIN: Wash affected area with soap and water. Get medical advice/attention if symptoms occur.
Eye Contact:	IF IN EYES: Flush eyes with large amounts of water. If eye irritation develops and persists: Get medical advice/attention.
Ingestion:	If swallowed, DO NOT induce vomiting. If irritation of discomfort occurs: Get immediate medical attention.

Section 5: Fire-Fighting Measures

Autoignition Temperature:	> 300°C
Flash Point:	> 300°C
Flammable Limits (LEL)	Not determined.
Suitable Extinguishing Media:	Use carbon dioxide, regular dry chemical, alcohol-resistant foam or water spray.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical	
Hazardous Decomposition Products:	Upon decomposition, this product emits formaldehyde, silicon dioxide, and incompletely burned carbon compounds.
Special Protective Equipment and Precautions for Firefighters:	Avoid breathing vapors or dusts. Keep upwind. Use full firefighting gear (bunker gear). Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape air supply. Use any self-contained breathing apparatus with a full face piece. Alert fire brigade and indicate hazard location. Wear breathing apparatus plus protective clothing.
Specific extinguishing methods:	Cool fire exposed containers with water spray from a protected location. Do not approach containers suspected to be hot. If safe to do so, remove containers from path of fire.

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Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Follow safe handling advice and personal protective equipment recommendations.
Environment Precautions:	For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.
Methods and Materials for Containment and Cleaning Up:	Observe precautions from other sections. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent. Seal the container.

Section 7: Handling and Storage

Precautions for Safe Handling Protective Measures:	Avoid contact with skin, inhalation of mist, or ingestion. See section 8 for personal protection equipment. Practice good personal hygiene to prevent accidental ingestion after handling. Properly dispose of clothing that cannot be decontaminated.
Advice on General Occupational Hygiene:	Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Wash contaminate clothing before reuse.
Conditions for Safe Storage, including any Incompatibilities:	Store away from oxidizing materials. Keep away from heat and flame. Store product in a closed container located in a dry area. Do not store in open, inadequate, or mislabeled packaging. Check that containers are clearly labeled. Use metal cans, metal drums, plastic, or lined fiber containers.
Incompatibilities:	Oxidizers.

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits:	Not available.
Appropriate Engineering Controls:	Under most handling conditions, this product will not generate mist or dust. In most conditions, no special local ventilation is needed. General ventilation recommended. If the product is heated above 150°C or atomized ventilation should be used.

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Individual Protection Measures

Eye/Face Protection:	Safety glasses recommended.
Skin Protection:	Impermeable gloves should be worn. Product is compatible with most elastomers.
Respiratory Protection:	No respiratory protection required under most conditions. If concentrations exceed exposure limits, approved respiratory equipment must be used.

Section 9: Physical and Chemical Properties

Physical State: Solid. Liquid may separate from product.	Appearance: Paste
Color: Off white, translucent	Physical Form: : Paste
Odor: Mild	Odor Threshold: Not available
pH: Not applicable	Melting Point: Decomposes
Initial Boiling Point: >200 °C	Freezing Point: Becomes very stiff with decreasing temperature around -60°C
Flash Point: >300 °C COC (Base oil)	Evaporation Rate: Not applicable
OSHA Flammability Class: Not classified as a flammability hazard	Vapor Pressure: Negligible at 20°C
Vapor Density (air = 1): Not available	Density: Not available
Specific Gravity (water = 1): Not available	Water Solubility: Insoluble in water at 20°C
Log KOW: Not available	Coeff. Water/Oil Dist: Not available
KOC: Not available	Auto Ignition: Not available
Viscosity: Not applicable	VOC content: None
Volatility: Not available	Decomposition Temperature: Begins to decompose at 150°C

Section 10: Stability and Reactivity

Reactivity:	Not classified as a reactivity hazard.
Chemical Stability:	May react with air under very high pressure. Otherwise will not react or polymerize.
Possibility of Hazardous Reactions:	Use at elevated temperatures may form highly hazardous compounds. Can react with oxidizing agents.
Conditions to Avoid:	None known.
Incompatible Materials:	Oxidizers.
Hazardous Decomposition Products:	Decomposes on heating and produces formaldehyde, silicon dioxide, and incompletely burned carbon compounds.

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Section 11: Toxicological Information					
Acute Toxicity					
Component Analysis – LD50/LC50					
CAS	Component	Result	Species	Dose	Conclusion
63148-62-9	Dimethyl silicone	LD50	Rat	>10,000 mg/kg	Not toxic
Information on Likely Routes of Exposure					
Inhalation: No information is available.					
Ingestion: No information is available.					
Skin Contact: No information is available.					
Eye Contact: No information is available.					
Immediate Effects: No information is available.					
Delayed Effects: No information is available.					
Medical Conditions Aggravated by Exposure: No information is available.					
Skin Corrosion/Irritation: Not irritating / Not corrosive to the skin.					
CAS	Component	Result	Species	Dose	
63148-62-9	Dimethyl silicone	LD50	Rabbit	>2000 mg/kg	
Serious Eye Damage/Irritation: Possible irritant / Not corrosive to the eyes.					
Respiratory Sensitization: Not classified based on available information.					
Dermal Sensitization: Not sensitizing to the skin.					
Germ Cell Mutagenicity: Not a germ cell mutagen.					
Carcinogenicity: Not a carcinogen.					
Component Carcinogenicity: Not available.					
Reproductive Toxicity: There are currently no reliable scientific data available indicating adverse effects on reproduction or fertility.					
Specific Target Organ Toxicity – Single Exposure: No target organs identified.					
Specific Target Organ Toxicity – Repeated Exposure: No target organs identified.					

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Aspiration Hazard:	Not applicable (not an aerosol/mist).
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Section 12: Ecological Information						
Ecotoxicity						
No information available for the product.						
Component Analysis – Aquatic Toxicity						
CAS	Component	Aquatic	Result	Species	Dose	Exposure
63148-62-9	Dimethyl silicone	Invertebrates	LC50	Water flea (<i>Daphnia magna</i>)	> 10,000 mg/L	48 hr
112945-52-5	Amorphous silica	Invertebrates	LC50	Water flea (<i>Daphnia magna</i>)	> 10,000 mg/L	24 hr
		Fish	LC50	Zebrafish (<i>Brachydanio rerio</i>)	> 10,000 mg/L	96 hr
Persistence and Degradability: In soil, siloxanes are degraded.						
Bioaccumulative Potential: Not expected to bioaccumulate.						
Mobility in Soil: Siloxanes are removed from water by sedimentation or binding to sewage sludge. Silica is not mobile.						
Biodegradation: No information available for the product.						

Section 13: Disposal Considerations	
Disposal Methods:	Waste (substance and container material) shall be recycled/recovered or disposed of as applicable and in accordance with community (EU) and local legislation. Recycle wherever possible. Consult state land waste management authority for disposal. Bury at an approved site. Recycle containers if possible, or dispose of in an authorized landfill.
According to the European Waste Catalogue:	Waste Codes are not product specific but application specific. Waste Codes should be assigned by the user based on the application in which the product is used.
For USA Disposal:	Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

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Section 14: Transport Information	
International Regulation	
UNRTDG:	Not regulated as a dangerous good.
IATA-DGR:	Not regulated as a dangerous good.
IMDG-Code:	Not regulated as a dangerous good.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable for product as supplied.	
Domestic Regulation	
DOT:	Not regulated as a dangerous good.

Section 15: Regulatory Information										
US Federal Regulations										
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed										
SARA 302 Extremely Hazardous Substances: None contained in product.										
SARA 304: Not applicable.										
SARA 311/312: None known.										
SARA 313: None known.										
TSCA Inventory Status: All components of this product are listed or exempt.										
TSCA 12(b) Exportation Notification: Not listed										
CERCLA Reportable Quantity:										
CAS	Component	Component RQ (lbs)	Calculated Product RQ (lbs)							
108-24-7	Acetic anhydride	5000	Exceeds reasonably attainable upper limit.							
64-19-7	Acetic acid	5000	Exceeds reasonably attainable upper limit.							
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.										
Note- There are no known safety, health or environmental restrictions or prohibitions in any country where this product is produced, imported or marketed.										
Component Analysis – International Inventories										
Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Dimethyl siloxanes and silicones	63148-62-9	Yes	DSL	No	Yes	Yes	Yes	Yes	Yes	Yes
Silicon dioxide, amorphous	112945-52-5	Yes	DSL	No	Yes	Yes	Yes	Yes	Yes	Yes

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Section 16: Other Information

Issue Date: 7/14/15

Revision: 1

NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0



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

HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

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)

Disclaimer:

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

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