ASI 600 HT Red

Section 1: Product and Company Identification

American Sealants, Inc.
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Fort Wayne, Indiana 46809
Phone: 260-489-0728
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Emergency Phone Number
Infotrac: +1-800-535-5053 (Within US)
Infotrac: +1-352-323-3500 (Outside US)

Product Identifier:	ASI 600 HT Red
Recommended Use:	Adhesive
Restrictions on Use:	None known

Section 2: Hazard(s) Identification

GHS Classification: Not a hazardous substance or mixture.

GHS Label Elements

Symbol(s):	None.
Signal Word:	None.
Hazard Statement(s):	None known.

Precautionary Statement(s)

Prevention:	Use only outdoors or in a well-ventilated area.

Other hazards: None known.

Section 3: Composition/Information on Ingredients

Substance/Mixture:	Mixture
Chemical nature:	Silicone elastomer

CAS	Component	Percent
7631-86-9	Silicon dioxide	5 - <10
13463-67-7	Titanium dioxide	1 - <5
7429-90-5	Aluminum	1 - <5
1333-86-4	Carbon black	0.1 - <1

Section 4: First-Aid Measures

Inhalation:	IF INHALED: Remove to fresh air. Get medical attention if symptoms occur.
Skin Contact:	IF ON SKIN: Wash with soap and water as a precaution. Get medical advice/attention if symptoms occur.
Eye Contact:	If eye irritation develops and persists: Get medical advice/attention.
Ingestion:	If swallowed, DO NOT induce vomiting. Get immediate medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed:	None known.
Protection of first-aiders:	No special precautions are necessary for first aid responders.
Notes to physician:	Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Use carbon dioxide, regular dry chemical, alcohol-resistant foam or water.
Unsuitable Extinguishing Media:	None known.
Specific hazards during firefighting:	Exposure to combustion products may be a hazard to health.
Hazardous Combustion Products:	Carbon oxides, silicon oxides, formaldehyde, and metal oxides.
Special Protective Equipment and Precautions for Firefighters:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.
Specific extinguishing methods:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Follow safe handling advice and personal protective equipment recommendations.
Environment Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminate wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and Materials for Containment and Cleaning Up:	Absorb with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases.

Section 7: Handling and Storage

Technical measures:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation:	Use only with adequate ventilation.
Advice on General Occupational Hygiene:	Do not eat, drink, or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice based on the results of the workplace exposure assessment. Take care to prevent spills, waste and minimize release to the environment.
Conditions for Safe Storage:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Incompatibilities:	Strong oxidizing agents

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits

CAS	Component	Exposure Limits
7631-86-9	Silicon dioxide	**OSHA Z-3:** 20 million particles/ft3 (Silica) TWA (dust); 80 mg/m3 / %SiO2 (Silica) TWA (dust)
		NIOSH REL: 6 mg/m3 (Silica) TWA
13463-67-7	Titanium dioxide	**ACGIH:** 10 mg/m3 TWA
		OSHA Z-1: 15 mg/m3 TWA (total dust)
7429-90-5	Aluminum	**ACGIH:** 1 mg/m3 TWA (respirable fraction)
		OSHA Z-1: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		NIOSH REL: 5 mg/m3 TWA (respirable fraction); 10 mg/m3 TWA (total); 5 mg/m3 TWA (pyro powders)
1333-86-4	Carbon black	**ACGIH:** 3 mg/m3 TWA (inhalable fraction)
		OSHA Z-1: 3.5 mg/m3 TWA
		NIOSH REL: 3.5 mg/m3 TWA

These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.

Silicon dioxide
Titanium dioxide
Carbon black

Engineering measures:	Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits. Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at work-places have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m3 - total dust, 5 mg/m3 - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m3 - respirable particles, 10 mg/m3 - inhalable particles.
Personal protective equipment	
Eye/Face Protection:	Wear safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin Protection:	Skin should be washed after contact.
Hand Protection:	Wash hands before breaks and at the end of workday.
Respiratory Protection:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hygiene measures:	Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	**Appearance:**	Paste
Color:	In accordance with product description	**Physical Form:**	Paste
Odor:	Acetic Acid	**Odor Threshold:**	Not available
pH:	Not applicable	**Melting Point:**	Not available
Boiling Point:	Not applicable	**Decomposition:**	Not available
Flash Point:	>100 ℃ (closed cup)	**Evaporation Rate:**	Not applicable
OSHA Flammability Class:	Not classified as a flammability hazard	**Vapor Pressure:**	Not applicable
Vapor Density (air = 1):	Not available	**Density:**	1.007
Specific Gravity (water = 1):	Not available	**Water Solubility:**	Not available
Log KOW:	Not available	**Coeff. Water/Oil Dist:**	Not available
KOC:	Not available	**Auto Ignition:**	Not available
Viscosity:	Not applicable	**VOC:**	Not available
Volatility:	Not available	**Molecular Formula:**	Not available

Section 10: Stability and Reactivity

Reactivity:	Not classified as a reactivity hazard.
Chemical Stability:	Stable at normal temperatures and pressure.
Possibility of Hazardous Reactions:	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard, 29 CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures.
Conditions to Avoid:	None known.
Incompatible Materials:	Strong oxidizing materials
Hazardous Decomposition Products:	Thermal decomposition: Formaldehyde

Section 11: Toxicological Information

Acute Toxicity

Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
7631-86-9	Silicon dioxide	LD50 Oral	Rat	>3300 mg/kg	N/A
		LC50 Inhalation	Rat	>2.08 mg/L	4 hr
		LD50 Dermal	Rabbit	>5000 mg/kg	N/A
13463-67-7	Titanium dioxide	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>6.82 mg/L	4 hr
7429-90-5	Aluminum	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.888 mg/L	4 hr
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.0046 mg/L	4 hr
		LD50 Dermal	Rabbit	>3000 mg/kg	N/A

Information on Likely Routes of Exposure

Inhalation:	Not classified based on available information.
Ingestion:	Not classified based on available information.
Skin Contact:	Not classified based on available information.
Eye Contact:	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.

Carcinogenicity Not classified based on available information.

Component Carcinogenicity

CAS	Component	Result
13463-67-7	Titanium dioxide	**IARC:** Group 2B (possibly carcinogenic to humans)
		OSHA: Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		NTP: Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
1333-86-4	Carbon Black	**IARC:** Group 2B (possibly carcinogenic to humans)
		OSHA: Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		NTP: Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen

Reproductive Toxicity: Not classified based on available information.

Specific Target Organ Toxicity – Single Exposure: No target organs identified.

Specific Target Organ Toxicity – Repeated Exposure: No target organs identified.

Aspiration Hazard: Not classified based on available information.

Section 12: Ecological Information

Ecotoxicity

No information available for the product.

Component Analysis – Aquatic Toxicity

CAS	Component	Aquatic	Result	Species	Dose	Exposure
13463-67-7	Titanium dioxide	Fish	LC50	Rainbow trout (*Oncorhynchus mykiss*)	>100 mg/L	96 hr
		Invertebrates	EC50	Water flea (*Daphnia magna*)	>100 mg/L	48 hr
		Algae	EC50	Marine diatom (*Skeletonema costatum*)	>10,000 mg/L	72 hr
		Bacteria	EC50	N/A	>1000 mg/L	3 hr
7429-90-5	Aluminum	Fish	LC50	Brown trout (*Salmo trutta*)	80 µg/L	96 hr
		Invertebrates	EC50	Water flea (*Daphnia magna*)	>0.135 mg/L	48 hr
1333-86-4	Carbon Black	Fish	LC50	Zebrafish (*Danio rerio*)	1000 mg/L	96 hr
		Invertebrates	EC50	Water flea (*Daphnia magna*)	>5600 mg/L	24 hr

		Algae	NOEC	Green algae (*Desmodesmus subspicatus*)	10,000 mg/L	72 hr

Chronic aquatic toxicity:	No toxicity at the limit of solubility.
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.
Other adverse effects:	No information available for the product.

Section 13: Disposal Considerations

Disposal Methods

Resource Conservation and Recovery Act (RCRA):	This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Waste from residues:	Dispose of in accordance with local regulations.
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

Section 14: Transport Information

International Regulations

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

49 CFR:	Not regulated as a dangerous good.

Section 15: Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know

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.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312: No SARA Hazards

SARA 313: Aluminium (7429-90-5) 1.6%

US State Regulations

Pennsylvania Right To Know

CAS	Component
70131-67-8	Dimethyl siloxane, hydroxy-terminated
7631-86-9	Silicon dioxide
63148-62-9	Dimethyl siloxane, trimethylsiloxy-terminated
1332-37-2	Iron oxide
13463-67-7	Titanium oxide
147-14-8	Pigment Blue 15
7429-90-5	Aluminum
64-19-7	Acetic acid
108-24-7	Acetic anhydride

California Proposition 65:

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

California List of Hazardous Substances

Aluminium	7429-90-5

California Permissible Exposure Limits for Chemical Contaminants

Silicon dioxide	7631-86-9
Titanium dioxide	13463-67-7
Aluminium	7429-90-5

The ingredients of this product are reported in the following inventories:

TSCA:	All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
AICS:	All ingredients listed or exempt.
IECSC:	All ingredients listed or exempt.
PICCS:	All ingredients listed or exempt.
DSL:	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
REACH:	All ingredients are currently pre/registered or exempt under REACH. Please refer to section 1 for recommended uses.

Section 16: Other Information

Issue Date: 6/19/2015

Revision: 2
Revision Date: 9/4/2018

NFPA Ratings:

Health: 0
Fire: 1
Reactivity: 0

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

HMIS III:

HEALTH	0
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); 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