SAFETY DATA SHEET

ASI 504 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 504 Clear
Recommended Use:	Adhesive
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 only outdoors or in a well-ventilated area. Avoid release to the environment.
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.

Section 3: Composition/Information on Ingredients

CAS	Component	Percent
64742-46-7	Distillates (petroleum), hydrotreated middle	20 - <30
7631-86-9	Silicon dioxide	5 - <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 with soap and water as a precaution.
Get medical advice/attention if symptoms occur.

Eye Contact: IF IN EYES: Flush eyes with water as a precaution.
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.

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 Arising from the Chemical

Hazardous Decomposition Products: Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Special Protective Equipment and Precautions for Firefighters: Exposure to combustion products may be a hazard to health. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

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

Precautions for Safe Handling

Protective Measures:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
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 and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits

CAS	Component	Exposure Limits
64742-46-7	Distillates (petroleum), hydrotreated middle	**OSHA Z-1:** 5 mg/m3 TWA (mist) **OSHA P0:** 5 mg/m3 TWA (mist)
		NIOSH REL: 5 mg/m3 TWA (mist); 10 mg/m3 ST (mist)
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

Appropriate Engineering Controls:	Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.

Individual Protection Measures

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.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	**Appearance:**	Paste
Color:	Colorless	**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:	Not applicable	**Evaporation Rate:**	Not applicable
OSHA Flammability Class:	Not classified as a flammability hazard	**Vapor Pressure:**	Not applicable
Vapor Density (air = 1):	Not available	**Density:**	0.96
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. 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:	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Section 11: Toxicological Information

Acute Toxicity

Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
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

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.
Immediate Effects:	Not classified based on available information.
Delayed Effects:	No information is available.
Medical Conditions Aggravated by Exposure:	No information is available.
Irritation/Corrosivity Data:	Not classified based on available information.
Respiratory Sensitization:	Not classified based on available information.
Dermal Sensitization:	Not classified based on available information.
Germ Cell Mutagenicity:	Not classified based on available information.
Carcinogenicity:	Not classified based on available information.

Component Carcinogenicity

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA, and NTP.

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

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.
Biodegration:	No information available for the product.

Section 13: Disposal Considerations

Disposal Methods:	Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Disposal of Contaminated Packaging:	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Component Waste Numbers:	The U.S. EPA has not published waste numbers for this product's components.

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

49 CFR:	Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

SARA 302 Extremely Hazardous Substances:	None contained in product.
SARA 304:	Not applicable.
SARA 311/312:	None known.
SARA 313:	None known.
TSCA:	All components of this product are listed on TSCA Inventory.

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

Pennsylvania Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

New Jersey Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%

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

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information

Issue Date: 6/19/15
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); 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

ASI 504 White

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 504 White
Recommended Use:	Adhesive
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 only outdoors or in a well-ventilated area. Avoid release to the environment.
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.

Section 3: Composition/Information on Ingredients

CAS	Component	Percent
64742-46-7	Distillates (petroleum), hydrotreated middle	20 - <30
7631-86-9	Silicon dioxide	5 - <10
13463-67-7	Titanium dioxide	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 IN EYES: Flush eyes with water as a precaution.
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.

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 Arising from the Chemical

Hazardous Decomposition Products: Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Special Protective Equipment and Precautions for Firefighters: Exposure to combustion products may be a hazard to health.
Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

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

Precautions for Safe Handling

Protective Measures:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
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 and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits

CAS	Component	Exposure Limits
64742-46-7	Distillates (petroleum), hydrotreated middle	**OSHA Z-1:** 5 mg/m3 TWA (mist) **OSHA P0:** 5 mg/m3 TWA (mist)
		NIOSH REL: 5 mg/m3 TWA (mist); 10 mg/m3 ST (mist)
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)

Appropriate Engineering Controls:	Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.

Individual Protection Measures

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:	Wear impervious gloves. 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.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	**Appearance:**	Paste
Color:	White	**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:	Not applicable	**Evaporation Rate:**	Not applicable
OSHA Flammability Class:	Not classified as a flammability hazard	**Vapor Pressure:**	Not applicable
Vapor Density (air = 1):	Not available	**Density:**	0.96
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. 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:	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Section 11: Toxicological Information

Acute Toxicity
Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
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	>10000 mg/kg	N/A
		LC50 Inhalation	Rat	>5000 mg/kg	4 hr

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.
Immediate Effects:	Not classified based on available information.
Delayed Effects:	No information is available.
Medical Conditions Aggravated by Exposure:	No information is available.
Irritation/Corrosivity Data:	Not classified based on available information.
Respiratory Sensitization:	Not classified based on available information.
Dermal Sensitization:	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

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

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.

Biodegration: No information available for the product.

Section 13: Disposal Considerations

Disposal Methods:	Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Disposal of Contaminated Packaging:	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Component Waste Numbers:	The U.S. EPA has not published waste numbers for this product's components.

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

49 CFR:	Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

SARA 302 Extremely Hazardous Substances:	None contained in product.
SARA 304:	Not applicable.
SARA 311/312:	None known.
SARA 313:	None known.
TSCA:	All components of this product are listed on TSCA Inventory.

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

Pennsylvania Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%
13463-67-7	Titanium oxide	1-5%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

New Jersey Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
7631-86-9	Silicon dioxide	20-30%
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%
63148-62-9	Dimethyl siloxane, trimethylsiloxy-terminated	1-5%

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

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information

Issue Date: 6/19/15
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); 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

SAFETY DATA SHEET

ASI 504 Black

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 504 Black
Recommended Use:	Adhesive
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 only outdoors or in a well-ventilated area. Avoid release to the environment.
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.

Section 3: Composition/Information on Ingredients

CAS	Component	Percent
64742-46-7	Distillates (petroleum), hydrotreated middle	20 - <30
7631-86-9	Silicon dioxide	5 - <10
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 IN EYES: Flush eyes with water as a precaution.
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.

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 Arising from the Chemical

Hazardous Decomposition Products: Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Special Protective Equipment and Precautions for Firefighters: Exposure to combustion products may be a hazard to health.
Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

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

Precautions for Safe Handling

Protective Measures:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
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 and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits

CAS	Component	Exposure Limits
64742-46-7	Distillates (petroleum), hydrotreated middle	**OSHA Z-1:** 5 mg/m3 TWA (mist) **OSHA P0:** 5 mg/m3 TWA (mist)
		NIOSH REL: 5 mg/m3 TWA (mist); 10 mg/m3 ST (mist)
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
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

Appropriate Engineering Controls: Processing may form hazardous compounds (see section 10).

	Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.
Individual Protection Measures	
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:	Wear impervious gloves. 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.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	**Appearance:**	Paste
Color:	Black	**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:	Not applicable	**Evaporation Rate:**	Not applicable
OSHA Flammability Class:	Not classified as a flammability hazard	**Vapor Pressure:**	Not applicable
Vapor Density (air = 1):	Not available	**Density:**	0.96
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.

	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:	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Section 11: Toxicological Information

Acute Toxicity
Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
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
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.0046 mg/L	4 hr

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.
Immediate Effects:	Not classified based on available information.
Delayed Effects:	No information is available.
Medical Conditions Aggravated by Exposure:	No information is available.
Irritation/Corrosivity Data:	Not classified based on available information.
Respiratory Sensitization:	Not classified based on available information.
Dermal Sensitization:	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
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
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

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.

Biodegration: No information available for the product.

Section 13: Disposal Considerations

Disposal Methods:	Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Disposal of Contaminated Packaging:	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Component Waste Numbers:	The U.S. EPA has not published waste numbers for this product's components.

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

49 CFR:	Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

SARA 302 Extremely Hazardous Substances:	None contained in product.
SARA 304:	Not applicable.
SARA 311/312:	None known.
SARA 313:	None known.
TSCA:	All components of this product are listed on TSCA Inventory.

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

Pennsylvania Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%

7631-86-9	Silicon dioxide	5-10%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

New Jersey Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%
63148-62-9	Dimethyl siloxane, trimethylsiloxy-terminated	1-5%
1333-86-4	Carbon Black	0.1-1%

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

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information

Issue Date: 6/19/15
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); 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

ASI 504 Aluminum

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 504 Aluminum
Recommended Use:	Adhesive
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 only outdoors or in a well-ventilated area. Avoid release to the environment.
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.

Section 3: Composition/Information on Ingredients

CAS	Component	Percent
64742-46-7	Distillates (petroleum), hydrotreated middle	20 - <30
7631-86-9	Silicon dioxide	5 - <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 with soap and water as a precaution.
Get medical advice/attention if symptoms occur.

Eye Contact: IF IN EYES: Flush eyes with water as a precaution.
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.

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 Arising from the Chemical

Hazardous Decomposition Products: Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Special Protective Equipment and Precautions for Firefighters: Exposure to combustion products may be a hazard to health. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

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

Precautions for Safe Handling

Protective Measures:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
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 and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits

CAS	Component	Exposure Limits
64742-46-7	Distillates (petroleum), hydrotreated middle	**OSHA Z-1:** 5 mg/m3 TWA (mist) **OSHA P0:** 5 mg/m3 TWA (mist)
		NIOSH REL: 5 mg/m3 TWA (mist); 10 mg/m3 ST (mist)
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

Appropriate Engineering Controls:	Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.

Individual Protection Measures

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:	Wear impervious gloves. 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.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	**Appearance:**	Paste
Color:	Gray	**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:	Not applicable	**Evaporation Rate:**	Not applicable
OSHA Flammability Class:	Not classified as a flammability hazard	**Vapor Pressure:**	Not applicable
Vapor Density (air = 1):	Not available	**Density:**	0.96
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. 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:	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Section 11: Toxicological Information

Acute Toxicity
Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
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

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.
Immediate Effects:	Not classified based on available information.
Delayed Effects:	No information is available.
Medical Conditions Aggravated by Exposure:	No information is available.
Irritation/Corrosivity Data:	Not classified based on available information.
Respiratory Sensitization:	Not classified based on available information.
Dermal Sensitization:	Not classified based on available information.
Germ Cell Mutagenicity:	Not classified based on available information.
Carcinogenicity:	Not classified based on available information.

Component Carcinogenicity

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA, and NTP.

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

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.
Biodegration:	No information available for the product.

Section 13: Disposal Considerations

Disposal Methods:	Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Disposal of Contaminated Packaging:	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Component Waste Numbers:	The U.S. EPA has not published waste numbers for this product's components.

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

49 CFR:	Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

SARA 302 Extremely Hazardous Substances:	None contained in product.
SARA 304:	Not applicable.
SARA 311/312:	None known.
SARA 313:	None known.
TSCA:	All components of this product are listed on TSCA Inventory.

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

Pennsylvania Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%
7429-90-5	Aluminum	0.1-1%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

New Jersey Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%
63148-62-9	Dimethyl siloxane, trimethylsiloxy-terminated	1-5%

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

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information

Issue Date: 6/19/15
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); 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

ASI 504 Colors (Terratone Brown and Western Aspen)

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 504 Colors (Terratone Brown and Western Aspen)
Recommended Use:	Adhesive
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 only outdoors or in a well-ventilated area. Avoid release to the environment.
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.

Section 3: Composition/Information on Ingredients

CAS	Component	Percent
64742-46-7	Distillates (petroleum), hydrotreated middle	20 - <30
7631-86-9	Silicon dioxide	5 - <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 with soap and water as a precaution.
Get medical advice/attention if symptoms occur.

Eye Contact: IF IN EYES: Flush eyes with water as a precaution.
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.

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 Arising from the Chemical

Hazardous Decomposition Products: Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Special Protective Equipment and Precautions for Firefighters: Exposure to combustion products may be a hazard to health. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

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

Precautions for Safe Handling

Protective Measures:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
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 and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits

CAS	Component	Exposure Limits
64742-46-7	Distillates (petroleum), hydrotreated middle	**OSHA Z-1:** 5 mg/m3 TWA (mist) **OSHA P0:** 5 mg/m3 TWA (mist)
		NIOSH REL: 5 mg/m3 TWA (mist); 10 mg/m3 ST (mist)
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

Appropriate Engineering Controls:	Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.

Individual Protection Measures

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.

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:	Not applicable	**Evaporation Rate:**	Not applicable
OSHA Flammability Class:	Not classified as a flammability hazard	**Vapor Pressure:**	Not applicable
Vapor Density (air = 1):	Not available	**Density:**	0.96
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. 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:	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Section 11: Toxicological Information

Acute Toxicity
Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
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

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.
Immediate Effects:	Not classified based on available information.
Delayed Effects:	No information is available.
Medical Conditions Aggravated by Exposure:	No information is available.
Irritation/Corrosivity Data:	Not classified based on available information.
Respiratory Sensitization:	Not classified based on available information.
Dermal Sensitization:	Not classified based on available information.
Germ Cell Mutagenicity:	Not classified based on available information.
Carcinogenicity:	Not classified based on available information.

Component Carcinogenicity

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA, and NTP.

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

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.
Biodegration:	No information available for the product.

Section 13: Disposal Considerations

Disposal Methods:	Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Disposal of Contaminated Packaging:	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Component Waste Numbers:	The U.S. EPA has not published waste numbers for this product's components.

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

49 CFR:	Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

SARA 302 Extremely Hazardous Substances:	None contained in product.
SARA 304:	Not applicable.
SARA 311/312:	None known.
SARA 313:	None known.
TSCA:	All components of this product are listed on TSCA Inventory.

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

Pennsylvania Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

New Jersey Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%

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

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information

Issue Date: 6/19/15
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); 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

ASI 504 Almond

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 504 Almond
Recommended Use:	Adhesive
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 only outdoors or in a well-ventilated area. Avoid release to the environment.
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.

Section 3: Composition/Information on Ingredients

CAS	Component	Percent
64742-46-7	Distillates (petroleum), hydrotreated middle	20 - <30
7631-86-9	Silicon dioxide	5 - <10
13463-67-7	Titanium dioxide	0.1 - <1
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 IN EYES: Flush eyes with water as a precaution.
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.

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 Arising from the Chemical

Hazardous Decomposition Products: Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Special Protective Equipment and Precautions for Firefighters: Exposure to combustion products may be a hazard to health. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

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

Precautions for Safe Handling

Protective Measures:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
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 and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

Section 8: Exposure Controls/Personal Protection

Component Exposure Limits

CAS	Component	Exposure Limits
64742-46-7	Distillates (petroleum), hydrotreated middle	**OSHA Z-1:** 5 mg/m3 TWA (mist) **OSHA P0:** 5 mg/m3 TWA (mist)
		NIOSH REL: 5 mg/m3 TWA (mist); 10 mg/m3 ST (mist)
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)
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

Appropriate Engineering Controls:	Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.
Individual Protection Measures	
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:	Wear impervious gloves. 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.

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:**	0.96
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:	200,000 mPa.s	**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. 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:	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Section 11: Toxicological Information

Acute Toxicity
Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
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	>10000 mg/kg	N/A
		LC50 Inhalation	Rat	>5000 mg/kg	4 hr
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.0046 mg/L	4 hr

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.
Immediate Effects:	Not classified based on available information.
Delayed Effects:	No information is available.
Medical Conditions Aggravated by Exposure:	No information is available.
Irritation/Corrosivity Data:	Not classified based on available information.
Respiratory Sensitization:	Not classified based on available information.

Dermal Sensitization:	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

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

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.

Biodegration: No information available for the product.

Section 13: Disposal Considerations

Disposal Methods: Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Disposal of Contaminated Packaging: Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Component Waste Numbers: The U.S. EPA has not published waste numbers for this product's components.

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

49 CFR: Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

SARA 304 Extremely Hazardous Substances:

CAS	Component	Component RQ (lbs)	Calculated Product RQ (lbs)
58-36-6	10, 10-Oxydiphenoxarsine	500	Exceeds reasonably attainable upper limit.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312: No SARA Hazards.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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

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

Pennsylvania Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%
7429-90-5	Aluminum	0-0.1%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

New Jersey Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50-70%
64742-46-7	Distillates (petroleum), hydrotreated middle	20-30%
7631-86-9	Silicon dioxide	5-10%
1333-86-4	Carbon Black	0.1-1%

California Proposition 65: Warning! This product contains a chemical known in the State of California to cause cancer.

Cobalt titanite green spinel (68186-85-6)

Component Analysis – International Inventories

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

DSL:	This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume limits please consult Dow Corning Regulatory Compliance.
REACH:	Consult your local Dow Corning office.

Section 16: Other Information

Issue Date: 6/19/15
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); 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