



Infotrac: +1-800-535-5053 (Within US)

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Document #: SDS 041 Revision: 1 Issue Date: 7-13-2015 Page 1 of 9

ASI Aquarium Aluminum

Section 1: Product and Company Identification

American Sealants, Inc. Emergency Phone Number

9190 Yeager Ln

Fort Wayne, Indiana 46809 Phone: 260-489-0728 Fax: 260-399-5068

Product Identifier: ASI Aquarium Aluminum

Recommended Use: RTV rubbers (for Aquarium Manufacturing and Repair)

Restrictions on Use: Industrial use only.

Section 2: Hazard(s) Identification

Classification in accordance with 29 CFR 1910.1200.

Reproductive toxicity (fertility), Category 2

Acute and Delayed Effects: Direct contact with eyes may cause temporary irritation.

Indication of Immediate Medical Attention and Special Treatment

Needed, If Needed: Treat symptomatically and supportively.

GHS Label Elements

Symbol(s):



Signal Word: Warning

Hazard Statement(s): Suspected of damaging fertility.

Precautionary Statement(s)

Prevention: Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face

protection. Wash thoroughly after handling.

Response: IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention. Get

medical advice/attention if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Product Identifier: ASI Aquarium Aluminum Document #: SDS 08817-1

Revision: 1

Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with

local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

CASComponentPercentProprietaryAcetoxysilane3 - < 5</td>556-67-2Octamethylcyclotetrasiloxane (Impurity)< 0.2</td>

Section 4: First-Aid Measures

Inhalation: IF INHALED: Remove to fresh air.

Get medical attention if symptoms occur.

Skin Contact: IF ON SKIN: Wash off with plenty of soap and water.

For minor skin contact, avoid spreading material on unaffected skin.

Get medical advice/attention if symptoms occur. Take off contaminated clothing and wash before use.

Eye Contact: IF IN EYES: Flush eyes with water as a precaution. Remove contact lenses, if present and

easy to do. Continue rinsing.

If eye irritation develops and persists: Get medical advice/attention.

Ingestion: Rinse mouth thoroughly with water.

Get immediate medical attention if symptoms occur.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Use carbon dioxide, regular dry chemical powder, alcohol-resistant

foam, or water fog.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical

Hazardous Decomposition Products: By heating and fire, harmful vapors/gases may be formed.

Special Protective Equipment and

Precautions for Firefighters:

Firefighters must use standard protective equipment including flame

retardant coat, helmet, gloves, rubber boots, and self-contained

breathing apparatus.

Specific extinguishing methods: Move containers from fire area if you can do so without risk.

Issue Date 7/13/15 Page **2** of **9**

Product Identifier: ASI Aquarium Aluminum Document #: SDS 08817-1

Revision: 1

Section 6: Accidental Release Measures

Personal Precautions, Protective

Equipment and Emergency Procedures: Keep unnecessary personnel away.

Do not touch or walk through spilled material.

Ensure adequate ventilation.

Wear appropriate personal protective equipment.

Environment Precautions: Prevent further leakage or spillage if safe to do so. Local authorities

should be advised if significant spillages cannot be contained.

Methods and Materials for Containment

and Cleaning Up:

Eliminate sources of ignition.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and

place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Section 7: Handling and Storage

Precautions for Safe Handling

Protective Measures: Provide adequate ventilation. Use care in handling/storage. Obtain

special instructions before use. Do not handle until all safety

precautions have been read and understood.

Do not breathe mist or vapor.

Avoid contact with eyes and skin. Avoid prolonged exposure.

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 locked up. Keep in original container and tightly closed.

Keep out of the reach of children.

Store in a cool, dry place out of direct sunlight.

Incompatibilities: Strong oxidizing agents, water, moisture

Issue Date 7/13/15 Page **3** of **9**

Product Identifier: ASI Aquarium Aluminum

Document #: SDS 08817-1 Revision: 1

Section 8: Exposure Controls/Personal Protection						
Component Expos	ure Limits					
CAS	Component		Exposure Limits			
			ACGIH: 15 ppm STEL; 10 ppm TWA			
64-19-7	Acetic acid		OSHA Z-1: 25 mg/m3 PEL; 10 ppm			
01137	(decomposition p		NIOSH: 37 mg/m3 STEL; 15 ppm 25 mg/m3 TWA; 10 ppm			
Provide Pay atte			quate general and local exhaust ventilation. wash station. on to ventilation such as local exhaust, mechanical and/or or at least 24 hours after application.			
		Wear tightly sealed safety glasses according to EN 166. 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 protect workday.			ctive gloves. Wash hands before breaks and at the end of			
Respiratory Protec	tion:	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.				

Physical State:	Liquid	Appearance:	Paste
Color:	Aluminum	Physical Form: :	Paste
Odor:	Acetic acid odor	Odor Threshold:	Not available
pH:	Not applicable	Freezing/Melting Point:	Not applicable
Boiling Point:	Not applicable	Decomposition:	Not available
Flash Point:	> 141.8 °F (> 61 °C)	Evaporation Rate:	< 1 (Butyl Acetate=1)
	Closed cup (Does not sustain combustion)		
OSHA Flammability Class:	Not classified as a flammability hazard	Vapor Pressure:	Negligible (25 °C)
Vapor Density (air = 1):	> 1 (air=1)	Density:	1.03 (25 °C)
specific Gravity (water = 1):	Not available	Water Solubility:	Not soluble
Log KOW:	Not available	Coeff. Water/Oil Dist:	Not available
KOC:	Not available	Auto Ignition:	No data
Viscosity:	No data	VOC:	Not available
Volatility:	Not available	Molecular Formula:	Not applicable

Issue Date 7/13/15 Page **4** of **9**

Product Identifier: ASI Aquarium Aluminum Document #: SDS 08817-1

Revision: 1

Section 10: Stability and Reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizing materials, water, moisture

Hazardous Decomposition Products: This product reacts with water, moisture or humid air to evolve

following compound: Acetic acid

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds.

Silicon dioxide and Formaldehyde.

Section 11: Toxicological Information

Acute Toxicity

Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
			Rat	3.31 g/kg	N/A
		LD50 Oral	Rabbit	1200 mg/kg	N/A
	Acetic acid (decomposition product)		Mouse	4960 mg/kg	N/A
64-19-7			Rat	11.4 mg/L	4 hr
		LC50 Inhalation	Mouse	5620 ppm	1 hr
			Guinea pig	5000 ppm	1 hr
		LD50 Dermal	Rabbit	1060 mg/kg	N/A

Information on Likely Routes of Exposure

Inhalation: Prolonged inhalation may be harmful.

Ingestion: Expected to be a low ingestion hazard.

Skin Contact: No adverse effects due to skin contact are expected.

Eye Contact: Direct contact with eyes may cause temporary irritation.

Immediate and Delayed Effects: Direct contact with eyes may cause temporary irritation.

Medical Conditions Aggravated by No information is available.

Exposure:

Issue Date 7/13/15 Page **5** of **9**

Product Identifier: ASI Aquarium Aluminum Document #: SDS 08817-1

Revision: 1

Irritation/Corrosivity Data: Causes severe skin burns and eye damage. [Acetic acid]

SKIN-RABBIT: 500mg/24 r MILD [Octamethylcyclotetrasiloxane]

Causes serious eye damage. [Acetic acid]

EYE-RABBIT : MILD [Octamethylcyclotetrasiloxane]

Respiratory Sensitization: Not available.

Dermal Sensitization: No evidence of sensitization [Octamethylcyclotetrasiloxane]

Germ Cell Mutagenicity: Negative(Bacteria) [Octamethylcyclotetrasiloxane]

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or

OSHA.

Component Carcinogenicity: Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Reproductive Toxicity: Octamethylcyclotetrasiloxane administered to rats by whole body

inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70 ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known. [Octamethylcyclotetrasiloxane]

Specific Target Organ Toxicity -

Single Exposure:

Not available.

Specific Target Organ Toxicity -

Repeated Exposure:

Repeated inhalation or oral exposure of mice and rats to octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. A two year combined chronic and carcinogenicity assay was conducted on octamethylcyclotetrasiloxane. Rats were exposed by wholebody vapor inhalation 6hrs/day, 5days/week for up to 104weeks to 0, 10, 30, 150 or 700ppm of octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female rats at 700ppm. Since these effects only occurred at 700ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or consumer uses of products containing octamethylcyclotetrasiloxane

Issue Date 7/13/15 Page **6** of **9**

Product Identifier: ASI Aquarium Aluminum Document #: SDS 08817-1

Revision: 1

would result in a significant risk to humans.

[Octamethylcyclotetrasiloxane]

Aspiration Hazard: Not available.

Further Information: This product reacts with water, moisture or humid air to evolve the

following compound: Acetic acid

Section 12: Ecological Information

Ecotoxicity

May cause long lasting harmful effects to aquatic life. [Octamethylcyclotetrasiloxane]

Component Analysis – Aquatic Toxicity

CAS	Component	Aquatic	Result	Species	Dose	Exposure
64-19-7	Acetic acid	Fish	LC50	Bluegill (<i>Lepomis</i> macrochirus)	75 mg/L	96 hr
04-19-7	Acetic acid	Invertebrates	EC50	Water flea (Daphnia magna)	65 mg/L	48 hr

Persistence and Degradability: No information available for the product.

Bio accumulative Potential: Bio concentration Factor (BCF) / (Fathead minnows): 12400

[Octamethylcyclotetrasiloxane]

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.

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

IATA: Not regulated as a dangerous good.

Issue Date 7/13/15 Page **7** of **9**

Product Identifier: ASI Aquarium Aluminum Document #: SDS 08817-1

Revision: 1

IMDG: Not regulated as a dangerous good.

Transport in bulk according to Annex

II of MARPOL 73/78 and the IBC Code: This product is not intended to be transported in bulk.

Domestic Regulation

DOT: Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

29 CH N 1910.1200.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

SARA 302 Extremely Hazardous

Substances: None contained in product.

SARA 304: Not applicable.
SARA 311/312: None known.
SARA 313: TRI reporting

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

US State Regulations

Massachusetts Right-to-Know - Substance List: Not regulated New Jersey Worker and Community Right-to-Know Act: Not listed Pennsylvania Worker and Community Right-to-Know Law: Not listed Rhode Island Right-to-Know: Not regulated

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
Octamethylcyclotetrasiloxane (Impurity)	556-67-2	Yes	DSL	EINECS	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information

Issue Date: 3/13/15
Revision: 1

NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0



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

Issue Date 7/13/15 Page **8** of **9**

Product Identifier: ASI Aquarium Aluminum Document #: SDS 08817-1
Revision: 1

HMIS III:



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 PO – 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 PO / 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



Issue Date 7/13/15 Page **9** of **9**





Infotrac: +1-800-535-5053 (Within US) Infotrac: +1-352-323-3500 (Outside US)

Document #: SDS 040 Revision: 1 Issue Date: 7-8-2015 Page 1 of 9

ASI Aquarium Black

Section 1: Product and Company Identification

American Sealants, Inc. Emergency Phone Number

9190 Yeager Ln

Fort Wayne, Indiana 46809 Phone: 260-489-0728 Fax: 260-489-0519

Product Identifier: ASI Aquarium Black

Recommended Use: RTV rubbers (for Aquarium Manufacturing and Repair)

Restrictions on Use: Industrial use only.

Section 2: Hazard(s) Identification

Classification in accordance with 29 CFR 1910.1200.

Reproductive toxicity (fertility), Category 2

Acute and Delayed Effects: Direct contact with eyes may cause temporary irritation.

Indication of Immediate Medical Attention and Special Treatment

Needed, If Needed: Treat symptomatically and supportively.

GHS Label Elements

Symbol(s):



Signal Word: Warning

Hazard Statement(s): Suspected of damaging fertility.

Precautionary Statement(s)

Prevention: Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face

protection. Wash thoroughly after handling.

Response: IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention. Get

medical advice/attention if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Product Identifier: ASI Aquarium Black

Document #: SDS 040

Revision: 1

Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with

local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

CASComponentPercentProprietaryAlkoxysilane3 - < 5</td>556-67-2Octamethylcyclotetrasiloxane (Impurity)< 0.2</td>

Section 4: First-Aid Measures

Inhalation: IF INHALED: Remove to fresh air.

Get medical attention if symptoms occur.

Skin Contact: IF ON SKIN: Wash off with plenty of soap and water.

For minor skin contact, avoid spreading material on unaffected skin.

Get medical advice/attention if symptoms occur. Take off contaminated clothing and wash before use.

Eye Contact: IF IN EYES: Flush eyes with water as a precaution. Remove contact lenses, if present and

easy to do. Continue rinsing.

If eye irritation develops and persists: Get medical advice/attention.

Ingestion: Rinse mouth thoroughly with water.

Get immediate medical attention if symptoms occur.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Use carbon dioxide, regular dry chemical powder, alcohol-resistant

foam, or water fog.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical

Hazardous Decomposition Products: By heating and fire, harmful vapors/gases may be formed.

Special Protective Equipment and

Precautions for Firefighters:

Firefighters must use standard protective equipment including flame

retardant coat, helmet, gloves, rubber boots, and self-contained

breathing apparatus.

Specific extinguishing methods: Move containers from fire area if you can do so without risk.

Issue Date 7/8/15 Page 2 of 9

Product Identifier: ASI Aquarium Black Document #: SDS 040
Revision: 1

Section 6: Accidental Release Measures

Personal Precautions, Protective

Equipment and Emergency Procedures: Keep unnecessary personnel away.

Do not touch or walk through spilled material.

Ensure adequate ventilation.

Wear appropriate personal protective equipment.

Environment Precautions: Prevent further leakage or spillage if safe to do so. Local authorities

should be advised if significant spillages cannot be contained.

Methods and Materials for Containment

and Cleaning Up:

Eliminate sources of ignition.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and

place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Section 7: Handling and Storage

Precautions for Safe Handling

Protective Measures: Provide adequate ventilation. Use care in handling/storage. Obtain

special instructions before use. Do not handle until all safety

precautions have been read and understood.

Do not breathe mist or vapor.

Avoid contact with eyes and skin. Avoid prolonged exposure.

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 locked up. Keep in original container and tightly closed.

Keep out of the reach of children.

Store in a cool, dry place out of direct sunlight.

Incompatibilities: Strong oxidizing agents, water, moisture

Issue Date 7/8/15 Page **3** of **9**

Product Identifier: ASI Aquarium Black

Document #: SDS 040 Revision: 1

Section 8: Exposu	ure Controls/Perso	onal Protection	on .					
Component Exposure Limits								
CAS	Component		Exposure Limits					
			ACGIH: 15 ppm STEL; 10 ppm TWA					
64-19-7	Acetic acid		OSHA Z-1: 25 mg/m3 PEL; 10 ppm					
(decomposition		oroduct)	NIOSH: 37 mg/m3 STEL; 15 ppm 25 mg/m3 TWA; 10 ppm					
Appropriate Engine	eering Controls:	Provide eyev Pay attention	Provide adequate general and local exhaust ventilation. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and/or door open for at least 24 hours after application.					
P		Provide an e	sealed safety glasses according to EN 166. mergency eye wash fountain and quick drench shower in Ite work area.					
Skin Protection:		Skin should be washed after contact.						
		Wear protec workday.	tive gloves. Wash hands before breaks and at the end of					
Respiratory Protect	tion:	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.						

Liquid	Appearance:	Paste
Black	Physical Form: :	Paste
Acetic acid odor	Odor Threshold:	Not available
Not applicable	Freezing/Melting Point:	Not applicable
Not applicable	Decomposition:	Not available
> 141.8 °F (> 61 °C)	Evaporation Rate:	< 1 (Butyl Acetate=1)
Closed cup (Does not sustain combustion)		
Not classified as a flammability hazard	Vapor Pressure:	Negligible (25 °C)
> 1 (air=1)	Density:	1.03 (25 °C)
Not available	Water Solubility:	Not soluble
Not available	Coeff. Water/Oil Dist:	Not available
Not available	Auto Ignition:	No data
No data	VOC:	Not available
Not available	Molecular Formula:	Not applicable
	Black Acetic acid odor Not applicable Not applicable > 141.8 °F (> 61 °C) Closed cup (Does not sustain combustion) Not classified as a flammability hazard > 1 (air=1) Not available Not available Not available No data	Black Acetic acid odor Not applicable Not applicable Not applicable Not applicable Not classified as a flammability hazard Not available Not available Not available Not available Not data Physical Form: Clored Codor Threshold: Freezing/Melting Point: Evaporation Rate: Vapor Pressure: Foeff. Water/Oil Dist: Auto Ignition: VOC:

Issue Date 7/8/15 Page **4** of **9**

Product Identifier: ASI Aquarium Black

Document #: SDS 040

Revision: 1

Section 10: Stability and Reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizing materials, water, moisture

Hazardous Decomposition Products: This product reacts with water, moisture or humid air to evolve

following compound: Acetic acid

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds.

Silicon dioxide and Formaldehyde.

Section 11: Toxicological Information

Acute Toxicity

Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
			Rat	3.31 g/kg	N/A
		LD50 Oral	Rabbit	1200 mg/kg	N/A
	Acetic acid (decomposition product)		Mouse	4960 mg/kg	N/A
64-19-7			Rat	11.4 mg/L	4 hr
		LC50 Inhalation	Mouse	5620 ppm	1 hr
			Guinea pig	5000 ppm	1 hr
		LD50 Dermal	Rabbit	1060 mg/kg	N/A

Information on Likely Routes of Exposure

Inhalation: Prolonged inhalation may be harmful.

Ingestion: Expected to be a low ingestion hazard.

Skin Contact: No adverse effects due to skin contact are expected.

Eye Contact: Direct contact with eyes may cause temporary irritation.

Immediate and Delayed Effects: Direct contact with eyes may cause temporary irritation.

Medical Conditions Aggravated by

Exposure:

No information is available.

Issue Date 7/8/15 Page **5** of **9**

Product Identifier: ASI Aquarium Black

Document #: SDS 040

Revision: 1

Irritation/Corrosivity Data: Causes severe skin burns and eye damage. [Acetic acid]

SKIN-RABBIT: 500mg/24 r MILD [Octamethylcyclotetrasiloxane]

Causes serious eye damage. [Acetic acid]

EYE-RABBIT : MILD [Octamethylcyclotetrasiloxane]

Respiratory Sensitization: Not available.

Dermal Sensitization: No evidence of sensitization [Octamethylcyclotetrasiloxane]

Germ Cell Mutagenicity: Negative(Bacteria) [Octamethylcyclotetrasiloxane]

Carcinogenicity: The following material is embedded in the product and not available as

respirable dusts. When used as intended or as supplied, the product will not

pose hazards: Carbon black

Component Carcinogenicity

CAS	Component	Result						
1333-86-4	Carbon Black	IARC: Group 2B (possibly carcinogenic to humans)						

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Reproductive Toxicity: Octamethylcyclotetrasiloxane administered to rats by whole body

inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70 ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these

findings to humans is not known. [Octamethylcyclotetrasiloxane]

Specific Target Organ Toxicity -

Single Exposure:

Not available.

Specific Target Organ Toxicity -

Repeated Exposure:

Repeated inhalation or oral exposure of mice and rats to octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. A two year combined chronic and carcinogenicity assay was conducted on octamethylcyclotetrasiloxane. Rats were exposed by wholebody vapor inhalation 6hrs/day, 5days/week for up to 104weeks to 0, 10, 30, 150 or 700ppm of octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female rats at 700ppm. Since these

Issue Date 7/8/15 Page **6** of **9**

Product Identifier: ASI Aquarium Black

Document #: SDS 040

Revision: 1

effects only occurred at 700ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or consumer uses of products containing octamethylcyclotetrasiloxane

would result in a significant risk to humans.

[Octamethylcyclotetrasiloxane]

Aspiration Hazard: Not available.

Further Information: This product reacts with water, moisture or humid air to evolve the

following compound: Acetic acid

Section 12: Ecological Information

Ecotoxicity

May cause long lasting harmful effects to aquatic life. [Octamethylcyclotetrasiloxane]

Component Analysis – Aquatic Toxicity

CAS	Component	Aquatic	Result	Species	Dose	Exposure
64-19-7	A cotic ocid	Fish	LC50	Bluegill (<i>Lepomis</i> macrochirus)	75 mg/L	48 hr
04-19-7	Acetic acid	Invertebrates	EC50	Water flea (Daphnia magna)	65 mg/L	96 hr

Persistence and Degradability: No information available for the product.

Bioaccumulative Potential: Bio concentration Factor(BCF) / (Fathead minnows): 12400

[Octamethylcyclotetrasiloxane]

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.

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

Issue Date 7/8/15 Page **7** of **9**

Product Identifier: ASI Aquarium Black Document #: SDS 040
Revision: 1

International Regulation

IATA: Not regulated as a dangerous good. IMDG: Not regulated as a dangerous good.

Transport in bulk according to Annex

II of MARPOL 73/78 and the IBC Code: This product is not intended to be transported in bulk.

Domestic Regulation

DOT: Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

SARA 302 Extremely Hazardous

Substances: None contained in product.

SARA 304: Not applicable.
SARA 311/312: None known.
SARA 313: None known.

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

US State Regulations

Massachusetts Right-to-Know - Substance List: Carbon black (1333-86-4)
New Jersey Worker and Community Right-to-Know Act: Carbon black (1333-86-4)
Pennsylvania Worker and Community Right-to-Know Law: Carbon black (1333-86-4)

Rhode Island Right-to-Know: Not regulated

California Proposition 65: WARNING! This product contains a chemical known to the state of California to

cause cancer.

The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not

pose hazards: Carbon black

Component Analysis – International Inventories

Octamethylcyclotetrasilovane	Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
1	Carbon black	1333-86-4	Yes	DSL	EINECS	Yes	Yes	Yes	Yes	Yes	Yes
	, ,	556-67-2	Yes	DSL	EINECS	Yes	Yes	Yes	Yes	Yes	Yes

Issue Date 7/8/15 Page **8** of **9**

Product Identifier: ASI Aquarium Black

Document #: SDS 040

Revision: 1

Section 16: Other Information

Issue Date: 7/8/15 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



Issue Date 7/8/15 Page **9** of **9**





Infotrac: +1-800-535-5053 (Within US) Infotrac: +1-352-323-3500 (Outside US)

Document #: SDS 041 Revision: 1 Issue Date: 7-13-2015 Page 1 of 9

ASI Aquarium Clear

Section 1: Product and Company Identification

American Sealants, Inc. Emergency Phone Number

9190 Yeager Ln

Fort Wayne, Indiana 46809 Phone: 260-489-0728 Fax: 260-489-0519

Product Identifier: ASI Aquarium Clear

Recommended Use: RTV rubbers (for Aquarium Manufacturing and Repair)

Restrictions on Use: Industrial use only.

Section 2: Hazard(s) Identification

Classification in accordance with 29 CFR 1910.1200.

Reproductive toxicity (fertility), Category 2

Acute and Delayed Effects: Direct contact with eyes may cause temporary irritation.

Indication of Immediate Medical Attention and Special Treatment

Needed, If Needed: Treat symptomatically and supportively.

GHS Label Elements

Symbol(s):



Signal Word: Warning

Hazard Statement(s): Suspected of damaging fertility.

Precautionary Statement(s)

Prevention: Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face

protection. Wash thoroughly after handling.

Response: IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention. Get

medical advice/attention if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Product Identifier: ASI Aquarium Clear

Document #: SDS 041

Revision: 1

Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with

local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

CASComponentPercentProprietaryAlkoxysilane3 - < 5</td>556-67-2Octamethylcyclotetrasiloxane (Impurity)< 0.2</td>

Section 4: First-Aid Measures

Inhalation: IF INHALED: Remove to fresh air.

Get medical attention if symptoms occur.

Skin Contact: IF ON SKIN: Wash off with plenty of soap and water.

For minor skin contact, avoid spreading material on unaffected skin.

Get medical advice/attention if symptoms occur. Take off contaminated clothing and wash before use.

Eye Contact: IF IN EYES: Flush eyes with water as a precaution. Remove contact lenses, if present and

easy to do. Continue rinsing.

If eye irritation develops and persists: Get medical advice/attention.

Ingestion: Rinse mouth thoroughly with water.

Get immediate medical attention if symptoms occur.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Use carbon dioxide, regular dry chemical powder, alcohol-resistant

foam, or water fog.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical

Hazardous Decomposition Products: By heating and fire, harmful vapors/gases may be formed.

Special Protective Equipment and

Precautions for Firefighters:

Firefighters must use standard protective equipment including flame

retardant coat, helmet, gloves, rubber boots, and self-contained

breathing apparatus.

Specific extinguishing methods: Move containers from fire area if you can do so without risk.

Issue Date 7/13/15 Page **2** of **9**

Product Identifier: ASI Aquarium Clear Document #: SDS 041
Revision: 1

Section 6: Accidental Release Measures

Personal Precautions, Protective

Equipment and Emergency Procedures: Keep unnecessary personnel away.

Do not touch or walk through spilled material.

Ensure adequate ventilation.

Wear appropriate personal protective equipment.

Environment Precautions: Prevent further leakage or spillage if safe to do so. Local authorities

should be advised if significant spillages cannot be contained.

Methods and Materials for Containment

and Cleaning Up:

Eliminate sources of ignition.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and

place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Section 7: Handling and Storage

Precautions for Safe Handling

Protective Measures: Provide adequate ventilation. Use care in handling/storage. Obtain

special instructions before use. Do not handle until all safety

precautions have been read and understood.

Do not breathe mist or vapor.

Avoid contact with eyes and skin. Avoid prolonged exposure.

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 locked up. Keep in original container and tightly closed.

Keep out of the reach of children.

Store in a cool, dry place out of direct sunlight.

Incompatibilities: Strong oxidizing agents, water, moisture

Issue Date 7/13/15 Page **3** of **9**

Product Identifier: ASI Aquarium Clear

Document #: SDS 041 Revision: 1

Section 8: Expos	ure Controls/Pers	sonal Protect	ion			
Component Expos	ure Limits					
CAS	Component		Exposure Limits			
			ACGIH: 15 ppm STEL; 10 ppm TWA			
64-19-7	Acetic acid		OSHA Z-1: 25 mg/m3 PEL; 10 ppm			
0.137	(decomposition	product)	NIOSH: 37 mg/m3 STEL; 15 ppm 25 mg/m3 TWA; 10 ppm			
Appropriate Engineering Controls:		Provide adequate general and local exhaust ventilation. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and/or door open for at least 24 hours after application.				
Individual Protection Measures Eye/Face Protection:		Provide an	Wear tightly sealed safety glasses according to EN 166. 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 prote workday.	Wear protective gloves. Wash hands before breaks and at the end of workday.			
Respiratory Protection:		If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.				

Physical State:	Liquid	Appearance:	Paste
Color:	Clear	Physical Form: :	Paste
Odor:	Acetic acid odor	Odor Threshold:	Not available
pH:	Not applicable	Freezing/Melting Point:	Not applicable
Boiling Point:	Not applicable	Decomposition:	Not available
Flash Point:	> 141.8 °F (> 61 °C)	Evaporation Rate:	< 1 (Butyl Acetate=1)
	Closed cup (Does not sustain combustion)		
OSHA Flammability Class:	Not classified as a flammability hazard	Vapor Pressure:	Negligible (25 °C)
Vapor Density (air = 1):	> 1 (air=1)	Density:	1.03 (25 °C)
Specific Gravity (water = 1):	Not available	Water Solubility:	Not soluble
Log KOW:	Not available	Coeff. Water/Oil Dist:	Not available
KOC:	Not available	Auto Ignition:	No data
Viscosity:	No data	VOC:	Not available
Volatility:	Not available	Molecular Formula:	Not applicable

Issue Date 7/13/15 Page **4** of **9**

Product Identifier: ASI Aquarium Clear

Document #: SDS 041

Revision: 1

Section 10: Stability and Reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizing materials, water, moisture

Hazardous Decomposition Products: This product reacts with water, moisture or humid air to evolve

following compound: Acetic acid

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds.

Silicon dioxide and Formaldehyde.

Section 11: Toxicological Information

Acute Toxicity

Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
	Acetic acid (decomposition product)		Rat	3.31 g/kg	N/A
		LD50 Oral	Rabbit	1200 mg/kg	N/A
			Mouse	4960 mg/kg	N/A
64-19-7		LC50 Inhalation	Rat	11.4 mg/L	4 hr
			Mouse	5620 ppm	1 hr
			Guinea pig	5000 ppm	1 hr
		LD50 Dermal	Rabbit	1060 mg/kg	N/A

Information on Likely Routes of Exposure

Inhalation: Prolonged inhalation may be harmful.

Ingestion: Expected to be a low ingestion hazard.

Skin Contact: No adverse effects due to skin contact are expected.

Eye Contact: Direct contact with eyes may cause temporary irritation.

Immediate and Delayed Effects: Direct contact with eyes may cause temporary irritation.

Medical Conditions Aggravated by

Exposure:

No information is available.

Issue Date 7/13/15 Page **5** of **9**

Product Identifier: ASI Aquarium Clear

Document #: SDS 041

Revision: 1

Irritation/Corrosivity Data: Causes severe skin burns and eye damage. [Acetic acid]

SKIN-RABBIT: 500mg/24 r MILD [Octamethylcyclotetrasiloxane]

Causes serious eye damage. [Acetic acid]

EYE-RABBIT : MILD [Octamethylcyclotetrasiloxane]

Respiratory Sensitization: Not available.

Dermal Sensitization: No evidence of sensitization [Octamethylcyclotetrasiloxane]

Germ Cell Mutagenicity: Negative(Bacteria) [Octamethylcyclotetrasiloxane]

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or

OSHA.

Component Carcinogenicity: Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Reproductive Toxicity: Octamethylcyclotetrasiloxane administered to rats by whole body

inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70 ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known. [Octamethylcyclotetrasiloxane]

Not available.

Specific Target Organ Toxicity –

Single Exposure:

Specific Target Organ Toxicity –

Repeated Exposure:

Repeated inhalation or oral exposure of mice and rats to octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell

size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. A two year combined chronic and carcinogenicity assay was conducted on octamethylcyclotetrasiloxane. Rats were exposed by wholebody vapor inhalation 6hrs/day, 5days/week for up to 104weeks to 0, 10, 30, 150 or 700ppm of octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female rats at 700ppm. Since these effects only occurred at 700ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or consumer uses of products containing octamethylcyclotetrasiloxane

Issue Date 7/13/15 Page **6** of **9**

Product Identifier: ASI Aquarium Clear

Document #: SDS 041

Revision: 1

would result in a significant risk to humans.

[Octamethylcyclotetrasiloxane]

Aspiration Hazard: Not available.

Further Information: This product reacts with water, moisture or humid air to evolve the

following compound: Acetic acid

Section 12: Ecological Information

Ecotoxicity

May cause long lasting harmful effects to aquatic life. [Octamethylcyclotetrasiloxane]

Component Analysis – Aquatic Toxicity

CAS	Component	Aquatic	Result	Species	Dose	Exposure
64-19-7	Acetic acid	Fish	LC50	Bluegill (<i>Lepomis</i> macrochirus) 75 mg/L		48 hr
		Invertebrates	EC50	Water flea (Daphnia magna)	65 mg/L	96 hr

Persistence and Degradability: No information available for the product.

Bioaccumulative Potential: Bio concentration Factor(BCF) / (Fathead minnows): 12400

[Octamethylcyclotetrasiloxane]

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.

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

IATA: Not regulated as a dangerous good.

Issue Date 7/13/15 Page **7** of **9**

Product Identifier: ASI Aquarium Clear Document #: SDS 041

Revision: 1

IMDG: Not regulated as a dangerous good.

Transport in bulk according to Annex

II of MARPOL 73/78 and the IBC Code: This product is not intended to be transported in bulk.

Domestic Regulation

DOT: Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

SARA 302 Extremely Hazardous

Substances: None contained in product.

SARA 304: Not applicable.
SARA 311/312: None known.
SARA 313: TRI reporting

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

US State Regulations

Massachusetts Right-to-Know - Substance List: Not regulated New Jersey Worker and Community Right-to-Know Act: Not listed Pennsylvania Worker and Community Right-to-Know Law: Not listed Rhode Island Right-to-Know: Not regulated

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
Octamethylcyclotetrasiloxane (Impurity)	556-67-2	Yes	DSL	EINECS	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information

Issue Date: 7/13/15
Revision: 1

NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0



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

Issue Date 7/13/15 Page **8** of **9**

Product Identifier: ASI Aquarium Clear

Document #: SDS 041

Revision: 1

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 PO — 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 PO / TWA - 8-hour, time-weighted average; OSHA Z-1 / TWA - 8-hour, time-weighted average; OSHA Z-3 / TWA - 8-hour, time-weighted average

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End of Document



Issue Date 7/13/15 Page **9** of **9**