

# SAFETY DATA SHEET


Version: 2  
Issue Date: 6-26-2015  
Revision Date: 8-4-2022

## ASI 335WS 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 335WS Black
Recommended Use:	RTV rubbers (for electrical, electronic and general industry (gluing and sealing))
Restrictions on Use:	Industrial use only.

### Section 2: Hazard(s) Identification

<b>Physical Hazards</b>	Not classified
<b>Health Hazards</b>	Serious eye damage/eye irritation      Category 2 Sensitization, skin      Category 1 Reproductive toxicity (fertility)      Category 2 Specific target organ toxicity, repeated exposure      Category 2 (hematopoietic system)
<b>Environmental Hazards</b>	Not classified
<b>OSHA defined hazards</b>	Not classified
	* Hazards not stated here are "Not classified", "Not applicable" or "Classification not possible"
<b>Label Elements</b>	
	
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility. May cause damage to organs (Cardiovascular/Hematological: hematopoiesis) through prolonged or repeated exposure.
<b>Precautionary Statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

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<b>Response</b>	<p>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.</p> <p>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. Take off contaminated clothing and wash it before reuse.</p>
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known
<b>Supplemental information</b>	None
<b>Substance(s) formed under the condition of use</b>	<p>This product reacts with water, moisture or humid air to evolve following compounds:</p> <p>Methylethylketoxime</p> <p>The following material is embedded in the product and not available as respirable dust. When used as intended or as supplied, the product will not pose hazards.</p> <p>Carbon Black</p>
<b>HMIS® ratings</b>	<p>Health: 2*</p> <p>Flammability: 1</p> <p>Physical Hazard: 0</p>

<b>Section 3: Composition/Information on Ingredients</b>		
<u>CAS</u>	<u>Component</u>	<u>Percent</u>
Proprietary	Methyloximesilane	1 - < 3
Proprietary	Vinyloximesilane	< 1
1333-86-4	Carbon black	< 1
Proprietary	Alkoxysilane	< 1
96-29-7	Methylethylketoxime (Impurity)	< 1
556-67-2	Octamethylcyclotetrasiloxane (Impurity)	< 1

<b>Section 4: First-Aid Measures</b>	
<b>Inhalation:</b>	Move to fresh air. Call a physician if symptoms develop or persist
<b>Skin Contact</b>	<p>Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin.</p> <p>If skin irritation or rash occurs: Get medical advice/attention.</p> <p>Take off contaminated clothing and wash before reuse.</p>
<b>Eye Contact</b>	Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention immediately.

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<b>Most important symptoms/effects, acute and delayed</b>	Dermatitis. Rash. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction.
<b>Indication of immediate medical attention and special treatment needed</b>	Prolonged exposure may cause chronic effects. Treat Symptomatically
<b>General Information</b>	If exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

## Section 5: Fire-Fighting Measures

<b>Suitable Extinguishing Media:</b>	Use carbon dioxide, regular dry chemical powder, foam, or water fog.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Specific Hazards Arising from the Chemical</b>	By heating and fire, harmful vapors/gases may be formed. Nitrogen oxides. (corrosive)
<b>Specific protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk-through spilled material. Ensure adequate ventilation. Wear appropriate personal protective equipment.
<b>Methods and Materials for Containment and Cleaning Up:</b>	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.
<b>Environment Precautions:</b>	Never return spills in original containers for re-use. Prevent further leakage or spillage if safe to do so.

## Section 7: Handling and Storage

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<p><b>Precautions for Safe Handling</b></p>	<p>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. Avoid contact with skin.</p>
<p><b>Conditions for Safe Storage, including any Incompatibilities:</b></p>	<p>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. Keep in original container.</p>

Section 8: Exposure Controls/Personal Protection			
<b>Occupational Exposure Limits</b>			
<b>US. OSHA Table Z-1 Limits for Air Containments (29 CFR 1910.1000)</b>			
<b>Components</b>	<b>Type</b>	<b>Value</b>	
Carbon black (CAS 1333-86-4)	PEL	3.5 mg/m3	
<b>US. ACGIH Threshold Limit Values</b>			
<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction
<b>US. NIOSH: Pocket Guide to Chemical Hazards</b>			
<b>Components</b>	<b>Type</b>	<b>Value</b>	
Carbon black (CAS 1333-86-4)	TWA	0.1 mg/m3	
<b>US. Workplace Environmental Exposure Level (WEEL) Guides</b>			
<b>Components</b>	<b>Type</b>	<b>Value</b>	
Methylethylketoxime (Impurity) (CAS 96-29-7)	TWA	36 mg/m3 10 ppm	Total dust
<b>Vendor Guide</b>			
<b>Components</b>	<b>Type</b>	<b>Value</b>	
Methylethylketoxime (Impurity) (CAS 96-29-7)	STEL TWA	10 ppm 3 ppm	
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s)		
<b>Appropriate engineering controls</b>	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.		
<b>Individual protection measures, such as personal protective equipment</b>			
<b>Eye/face protection</b>	Tightly sealed safety glasses according to EN 166		
<b>Skin protection</b>			
<b>Hand protection</b>	Wear protective gloves		
<b>Other</b>	Wear suitable protective clothing		
<b>Respiratory protection</b>	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.		
<b>Thermal Hazards</b>	Wear appropriate thermal protective clothing, when necessary.		
<b>General hygiene considerations</b>	Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practice.		

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## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Paste	<b>Color:</b>	Black
<b>Odor:</b>	Oxime odor	<b>Odor Threshold:</b>	Not available
<b>pH:</b>	Not applicable	<b>Melting Point/freezing point:</b>	Not applicable
<b>Initial boiling point and boiling range:</b>	Not applicable	<b>Flash point:</b>	204.8 °F (96 °C) Closed cup
<b>Evaporation Rate:</b>	< 1 (Butyl Acetate=1)	<b>Flammability (soild, gas)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	No data	<b>Vapor Pressure:</b>	Negligible (25 °C)
<b>Vapor Density (air = 1):</b>	> 1 (air=1)	<b>Density:</b>	1.03 (25 °C)
<b>Water Solubility</b>	Not soluble	<b>Partition Coefficient (n-octanol/water)</b>	Not applicable
<b>Auto Ignition:</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Viscosity:</b>	Not applicable	<b>Molecular Formula:</b>	Not applicable

## Section 10: Stability and Reactivity

<b>Reactivity:</b>	No hazardous reaction known under normal conditions of use, storage and transport.
<b>Chemical Stability:</b>	Stable at normal temperatures and pressure.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatible Materials:</b>	Strong oxidizing materials, water, moisture
<b>Hazardous Decomposition Products:</b>	This product reacts with water, moisture or humid air to evolve following compounds: Methylethylketoxime. Refer to section 8: exposure controls/personal protection and section 11: toxicological information.  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, Nitrogen oxides, and Formaldehyde.

## Section 11: Toxicological Information

### Information on Likely Routes of Exposure

<b>Ingestion:</b>	No significant effects are expected.
<b>Inhalation:</b>	No significant effects are expected.

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<p><b>Skin Contact:</b></p> <p><b>Eye Contact:</b></p> <p><b>Symptoms related to the physical, chemical, and toxicological characteristics</b></p> <p><b>Information on toxicological effects</b></p> <p><b>Acute Toxicity</b></p>	<p>May cause an allergic skin reaction.</p> <p>Causes serious eye irritation.</p> <p>Dermatitis. Rash. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction.</p>				
CAS	Component	Result	Species	Dose	Exposure
Proprietary	Alkoxysilane	LD50 Oral	Rat	2995 mg/kg 2400 mg/kg	N/A
		LC50 Inhalation	Rat	1.49-2.44 mg/L	4 hr
		LD50 Dermal	Rabbit	>2000 mg/kg 16 ml/kg	N/A
1333-86-4	Carbon black	LD50 Oral	Rat	>8000 mg/kg	N/A
96-297	Methylethylketoxime (Impurity)	LD50 Oral	Rat	930 mg/kg	N/A
		LD50 Dermal	Rabbit	200 µl/kg	N/A
<p><b>Skin corrosion/irritation</b></p> <p><b>Serious eye damage/eye irritation</b></p> <p><b>Respiratory or skin sensitization</b></p> <p style="padding-left: 20px;">Respiratory sensitization</p> <p style="padding-left: 20px;">Skin sensitization</p> <p><b>Germ Cell mutagenicity</b></p> <p><b>Carcinogenicity:</b></p> <p style="padding-left: 40px;"><b>IARC Monographs, Overall Evaluation of Carcinogenicity</b></p> <p style="padding-left: 40px;">Carbon black (CAS 1333-86-4)</p> <p style="padding-left: 40px;"><b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b></p> <p style="padding-left: 40px;">Not listed</p> <p><b>Reproductive toxicity</b></p>		<p>SKIN-RABBIT : Moderately irritating [Alkoxysilane]</p> <p>SKIN-RABBIT : 500mg/24 r MILD [Octamethylcyclotetrasiloxane]</p> <p>Causes serious eye damage. [Vinylloximesilane] [Methylethylketoxime][Methyloximesilane]</p> <p>EYE-RABBIT: 15mg SEVERE [Alkoxysilane]</p> <p>Causes serious eye irritation. [Methyloximesilane]</p> <p>EYE-RABBIT: MILD [Octamethylcyclotetrasiloxane]</p> <p>Not available</p> <p>May cause an allergic skin reaction. [Methyloximesilane][Vinylloximesilane][Methylethylketoxime]</p> <p>Positive (Guinea Pig) [Alkoxysilane]</p> <p>No evidence of sensitization [Octamethylcyclotetrasiloxane]</p> <p>Negative(Ames test, Chromosome analysis, Micronucleus test) [Alkoxysilane]</p> <p>Negative(Bacteria) [Octamethylcyclotetrasiloxane]</p> <p>Suspected of causing cancer. [Methylethylketoxime]</p> <p>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. Titanium oxide</p> <p style="padding-left: 40px;">Group 2B (possibly carcinogenic to humans)</p> <p>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</p>			

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<b>Specific target organ toxicity-single exposure</b>	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] Developmental toxicity: NOAEL 500mg/kg/day (Rat), Maternal toxicity: NOAEL 500mg/kg/day (Rat) [Alkoxysilane] Not available
<b>Specific Target Organ Toxicity – Repeated Exposure:</b>	May cause damage to the following organs through prolonged or repeated exposure: Hematopoietic system.[Vinylloximesilane] Hematopoietic system.[Methyloximesilane]
	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 whole-body 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 would result in a significant risk to humans. [Octamethylcyclotetrasiloxane]
<b>Aspiration Hazard</b>	Not available
<b>Chronic effects</b>	Not available
<b>Further Information:</b>	Methyl Ethyl Ketoxime (MEKO). Material will generate MEKO on exposure to humid air gradually. Male rodents exposed to MEKO vapor at high concentration throughout their lifetime developed liver cancer. But relevance to humans is uncertain now. Please read the detail information to MEKO below: Skin Irritation Causes mild irritation. Can be absorbed through the skin. Eyes Irritation Causes severe irritation Acute Oral Tox. LD50(rat)=>900 mg/kg Acute Dermal Tox. LD50(rabbit)=>1000 mg/kg Acute Inhalation Tox. LD50(rat)>4.83 mg/l/4 hr Inhalation Tox. Shows narcotic action at high concentration. May produce blood effects Skin Sensitization Positive (guinea pig) Neurotoxicity High dose can produce transient and reversible change in neurobehavioral function.

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<p><b>Carcinogenicity</b> Liver carcinomas were observed in a lifetime inhalation study (ca.2 years) in which mice and rats were exposed.</p> <p><b>Other Chronic Study</b> Degenerative effects on the olfactory epithelium of nasal passages occurred in a concentration related manner in males and females of mice and rats at MEKO concentration of 15,75, and 375 ppm. The significant change in hematological parameters were observed at 404 ppm concentration.</p> <p><b>Workplace Environmental Exposure Level</b> Vendor Guide 3ppm (TWA), 10ppm (STEL), AIHA WEEL, 10ppm (TWA)</p>
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<b>Section 12: Ecological Information</b>						
<b>Ecotoxicity</b>						
Toxic to aquatic life. Toxic to aquatic life with long lasting effects. [Alkoxysilane]						
May cause long lasting harmful effects to aquatic life. [Octamethylcyclotetrasiloxane]						
<b>Component Analysis – Aquatic Toxicity</b>						
CAS	Component	Aquatic	Result	Species	Dose	Exposure
Proprietary	Alkoxysilane	Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	>100 mg/L	96 hr
			LC50	Fathead minnow ( <i>Pimephales promelas</i> )	>100 mg/L	96 hr
			LC50	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	>100 mg/L	96 hr
		Algae	EbC50	Green algae ( <i>Selenastrum capricornutum</i> )	5.5 mg/L	72 hr
			ErC50	Green algae ( <i>Selenastrum capricornutum</i> )	8.8 mg/L	72 hr
96-29-7	Methylethylketoxime (Impurity)	Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	777-914 mg/L	96 hr
<b>Persistence and Degradability:</b> Causes easily hydrolysis in water or atmosphere. [Alkoxysilane]						
<b>Bioaccumulative Potential:</b> Bio concentration Factor(BCF) / (Fathead minnows) : 12400 [Octamethylcyclotetrasiloxane]						
<b>Mobility in soil</b> Not available						
<b>Other adverse effects</b> Not available						

<b>Section 13: Disposal Considerations</b>
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## Disposal instructions

Follow applicable Federal, State and Local regulations

## Section 14: Transport Information

### DOT

Not regulated as dangerous goods

### IATA

Not regulated as dangerous goods

### IMDG

Not regulated as dangerous goods

**Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code** This product is not intended to be transported in bulk

## 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.

All components are on the U.S. EPA TSCA Inventory List

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 313 (TRI reporting)

### US State regulations

#### US. Massachusetts RTK – Substance List

Carbon black (CAS 1333-86-4)

#### US. New Jersey Worker and Community Right-to-Know Act

Carbon black (CAS 1333-86-4)

#### US. Pennsylvania Worker and Community Right-to-Know Law

Carbon black (CAS 1333-86-4)

#### US. Rhode Island RTK

Not regulated

#### US. California Proposition 65

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

#### US – California Proposition 65 – CRT: Listed date/Carcinogenic substance

Carbon black (CAS 1333-86-4)

Listed: February 21, 2003

### International Inventories

#### Country(s) or region

#### Inventory name

#### On inventory (yes/no)\*

Australia

Australian Inventory of Chemical Substances (AICS)

Yes

Canada

Domestic Substances List (DSL)

Yes

Canada

Non-Domestic Substances List (NDSL)

No

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China	Inventory if Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substance (ENCS)	Yes
Korea	Existing Chemical List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

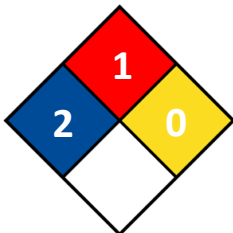
\* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**Section 16: Other Information**

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NFPA Ratings:

Health:	2
Fire:	1
Reactivity:	0



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

HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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

Key/Legend:

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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**