

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 9/19/2022 Revision date: 9/19/2022 Supersedes: 1/3/2020

SECTION 1: Identification					
1.1. Identification					
Product form Product name CAS-No. Product code	 Mixture Adamant X (Green or Yellow Lids) Mixture 0109, 0110 				
Other means of identification	: Alumina-Silicate	Wet Air Set Mo	rtar-Slurry		
1.2. Recommended use and restrictions on	use				
Use of the substance/mixture	: Refractory : Industrial use				
Recommended use 1.3. Supplier	. Industrial use				
Resco Products, Inc. One Robinson Plaza, Suite 300 6600 Steubenville Pike Pittsburgh, PA, 15205 United States 412-494-4491 SDS@RescoProducts.com - WWW.RescoProducts.c	om				
1.4. Emergency telephone number				O	404,0000
Emergency number	: EMERGENCY C Outside USA & (Canada 1-800-	-424-9300
SECTION 2: Hazard(s) identification					
2.1. Classification of the substance or mixtu	re				
GHS US classification					
Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Carcinogenicity Category 1A Full text of H statements : see section 16	ł	H319		ious eye irritatio	on rying or heating, Inhalation)
2.2. GHS Label elements, including precauti	onary statement	ts			
GHS US labeling Hazard pictograms (GHS US)					
Signal word (GHS US) Hazard statements (GHS US)	 Danger H315 - Causes skin irritation H319 - Causes serious eye irritation H350 - May cause cancer (After drying or heating, Inhalation) 				
Precautionary statements (GHS US)	 P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear eye protection, protective gloves, protective clothing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. 				
2.3. Other hazards which do not result in cla					
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3: Composition/Information o	n ingredients				
3.1. Substances					
Not applicable					
3.2. Mixtures					
Name		Product i		%	GHS US classification
quartz sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55%, aq	ueous solutions	CAS-No.: 1 CAS-No.: 1		50 – 75 20 – 50	Carc. 1A, H350 Skin Irrit. 2, H315 Eye Irrit. 2B, H320
Full text of hazard classes and H-statements : see se	ction 16	I		1	Lys Init. 20, 1520

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SECTION 4: First-aid measures	
4.1. Description of first aid measures	
	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation First-aid measures after skin contact	 Allow affected person to breathe fresh air. Allow the victim to rest. Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
First-aid measures after eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects (a	
	: Based on available data, the classification criteria are not met.
	After drying or heating. May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.
-, , ,	Causes skin irritation. Causes serious eye irritation.
4.3. Immediate medical attention and special	treatment, if necessary
No additional information available	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishing I	media
Suitable extinguishing media	 Use extinguishing media appropriate for surrounding fire. In case of fire, all extinguishing media allowed.
5.2. Specific hazards arising from the chemic	
	Not flammable.
5.3. Special protective equipment and precat	utions for fire-fighters
Firefighting instructions	 Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
	Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measure	S
6.1. Personal precautions, protective equipm	ent and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	If spilled, may cause the floor to be slippery.
6.1.2. For emergency responders	
Protective equipment	Equip cleanup crew with proper protection.
	: Stop release.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify auth	
6.3. Methods and material for containment an	
	 Plug the leak, cut off the supply. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal prote	ction.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Avoid contact with eyes. Avoid contact with skin. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, including an	
	Store in original container. Keep container closed when not in use.
	Strong bases. Strong acids.
SECTION 8: Exposure controls/personal	protection
8.1. Control parameters	
Adamant X (Green or Yellow Lids) (Mixture)	
No additional information available	

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sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5% aqueous solutions (1344-09-8)
No additional information available	
quartz (14808-60-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.025 mg/m ³ (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
USA - OSHA - Occupational Exposure Limits	
	Silica, crystalline quartz, respirable dust
OSHA PEL (TWA) [1]	0.05 mg/m ³ respirable dust (3) See Table Z-3.
Remark (OSHA)	(3) See Table 2-3.
8.2. Appropriate engineering controls	Emergency ave week fountein with clean weter
Appropriate engineering controls : 8.3. Individual protection measures/Personal	Emergency eye wash fountain with clean water.
	protective equipment
Personal protective equipment: Avoid all unnecessary exposure.	
Hand protection:	
Wear protective gloves.	
Eye protection:	
Chemical goggles or safety glasses	
Skin and body protection:	
Wear suitable protective clothing	
Respiratory protection:	
After air drying or heating. Dust when sawing or tear or	ut. Wear appropriate mask
Other information: Do not eat, drink or smoke during use.	
SECTION 9: Physical and chemical prope	erties
9.1. Information on basic physical and chemic	
	Liquid
Appearance :	Slurry.
Color :	Gray
Odor : Odor threshold :	earthy No data available
pH :	
Melting point :	No data available
Freezing point :	≈ 32 °F
Boiling point : Critical temperature :	Not applicable Not applicable
Flash point	Not applicable
Relative evaporation rate (butyl acetate=1) :	No data available
Flammability (solid, gas) :	Not flammable.
Vapor pressure :	No data available
Relative vapor density at 20 °C:Relative density:	No data available ≈ 1.4
Solubility :	Moderately soluble in water. No data available
Partition coefficient n-octanol/water (Log Pow) : Auto-ignition temperature :	Not applicable
Decomposition temperature :	No data available
Viscosity, kinematic :	Not Applicable
Viscosity, dynamic :	No data available
Explosion limits : Explosive properties :	No data available No data available
	No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity 10.1. Reactivity	

Air Setting.

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10.2. Chemical stability	
Not established.	
10.3. Possibility of hazardous reactions	
Not established.	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition products	
Under normal conditions of storage and use, hazardous	decomposition products should not be produced.
SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
	Not classified
	Not classified Not classified
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	
LD50 oral rat	
	> 2000 mg/kg (Rat, Oral) Causes skin irritation.
Skin corrosion/irritation :	pH: > 10
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)
рН	11 – 13
quartz (14808-60-7)	
рН	6 – 7
Serious eye damage/irritation :	Causes serious eye irritation. pH: > 10
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	
рН	11 – 13
quartz (14808-60-7)	
рН	6 – 7
	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	May cause cancer (After drying or heating, Inhalation).
quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified
Viscosity, kinematic :	Not Applicable
	Based on available data, the classification criteria are not met.
symptoms	After drive or besting. May eques senser by inhelation. Denser of serious demoge to health by
Symptoms/effects after inhalation :	After drying or heating. May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.
Symptoms/effects after skin contact :	Causes skin irritation.
,	Causes serious eye irritation.
SECTION 12: Ecological information	
12.1. Toxicity	
	5% aqueous solutions (1311-00-8)
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5 LC50 - Fish [1]	210 mg/l (96 h, Brachydanio rerio, Pure substance)
EC50 - Crustacea [1]	216 mg/l (96 h, Daphnia magna, Pure substance)

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12.2. Persistence and degradability	
Adamant X (Green or Yellow Lids) (Mixture)	Mar and Paked
Persistence and degradability	Not established.
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55	
Persistence and degradability	Biodegradability: not applicable. Not applicable
Chemical oxygen demand (COD) ThOD	Not applicable
BOD (% of ThOD)	Not applicable
guartz (14808-60-7)	
Persistence and degradability	Not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
12.3. Bioaccumulative potential	
Adamant X (Green or Yellow Lids) (Mixture)	
Bioaccumulative potential	Not established.
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55	5%, aqueous solutions (1344-09-8)
Bioaccumulative potential	No bioaccumulation data available.
guartz (14808-60-7)	
Bioaccumulative potential	No data available.
12.4. Mobility in soil	
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55	
Ecology - soil	No (test) data on mobility of the component(s) available.
12.5. Other adverse effects	
Effect on the global warming :	None known
Other information :	Avoid release to the environment.
SECTION 13: Disposal considerations	
13.1. Disposal methods	
	Dispose in a safe manner in accordance with local/national regulations.
	Avoid release to the environment.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA	
Department of Transportation (DOT)	
Not regulated	
Transportation of Dangerous Goods	
Not regulated	
Transport by sea Not regulated	
Air transport	
Not regulated	
SECTION 15: Regulatory information	
15.1. US Federal regulations	
	s Active on the United States Environmental Protection Agency Toxic Substances Control Act
(TSCA) inventory	
15.2. International regulations	
CANADA	
No additional information available	
EU-Regulations No additional information available	
National regulations	
quartz (14808-60-7)	
Listed on IARC (International Agency for Research on C	Cancer)
15.3. US State regulations	
Adamant X (Green or Yellow Lids) (Mixture)	
U.S California - Proposition 65 - Other information	This product contains crystalline silica, a chemical known to the state of California to cause
	cancer. For more information go to WWW.P65Warnings.ca.gov

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quartz (14808-60	0-7)					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)	
Yes	No	No	No			
Component	State or local regulations					
Quartz (14808-60-7	0-7) U.S New Jersey - Right to Know Hazardous Substance List					
SECTION 16: C	Other information					
according to Federa Revision date	I Register / Vol. 77, No. 58 / Monda :	y, March 26, 2012 / Rule 09/19/2022	s and Regulations			
Other information	:	Report language name. versions, the English ve		any conflict between E	English and other language	
Full text of H-phra	ISES					
H315	Causes skin irritation					
H319	Causes serious eye irritation					
H320	Causes eye irritation					
H350	May cause cancer					

Safety Data Sheet (SDS), USA

This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein, however, Resco Products, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.