

#### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 3/15/2015 Revision date: 8/5/2024 Supersedes: 7/26/2021

SECTION 1: Identification				
1.1. Identification				
Product form	: Mixture			
Product name	: Adacor 80 TR-D3.5			
CAS-No.	: Mixture			
Product code	: 0107			
Other means of identification 1.2. Recommended use and restrictions o		Vet Air Set Mortar-Slu	urry	
Use of the substance/mixture	: Refractory			
Recommended use	: Industrial use			
1.3. Supplier				
Resco Products, Inc. One Robinson Plaza, Suite 300 6600 Steubenville Pike Pittsburgh, PA, 15205 United States T 412-494-4491 <u>SDS@RescoProducts.com</u> - <u>WWW.RescoProduct</u>	<u>'s.com</u>			
1.4. Emergency telephone number				
Emergency number		NLY (CHEMTREC) US anada +1 703-741-59		00-424-9300
SECTION 2: Hazard(s) identification				
2.1. Classification of the substance or mix	xture			
GHS US classification				
Skin corrosion/irritation Category 2			s skin irritation	
Serious eye damage/eye irritation Category 2B			s eye irritation	
Carcinogenicity Category 1A Full text of H statements : see section 16	H,	350 May ca	ause cancer (After	r drying or heating, Inhalation)
2.2. GHS Label elements, including preca	utionary statements			
GHS US labeling	anonary statements	•		
Hazard pictograms (GHS US)				
Signal word (GHS US) Hazard statements (GHS US)		erious eye irritation e cancer (After drying		
Precautionary statements (GHS US)	<ul> <li>autionary statements (GHS US)</li> <li>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.</li> </ul>			
2.3. Other hazards which do not result in	classification			
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
No additional information available				
<b>SECTION 3: Composition/Information</b>	on ingredients			
3.1. Substances				
Not applicable				
3.2. Mixtures				
Name		Product identif	ier %	GHS US classification
aluminium oxide, non-fibrous		CAS-No.: 1344-28		Not classified
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤55%,	aqueous solutions	CAS-No.: 1344-09		Skin Irrit. 2, H315 Eye Irrit. 2B, H320
quartz		CAS-No.: 14808-6	60-7 1 – 5	Carc. 1A, H350
cristobalite		CAS-No.: 14464-4		Carc. 1A, H350
8/5/2024 (Revision date)	EN (F	English US)		1

#### Safety Data Sheet

Full text of hazard classes and H-statements : see s	ection 16
SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	<ul> <li>Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).</li> </ul>
First-aid measures after inhalation First-aid measures after skin contact	<ul> <li>Allow affected person to breathe fresh air. Allow the victim to rest.</li> <li>Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.</li> </ul>
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	
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation	: After drying or heating. Danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation.
Symptoms/effects after skin contact Symptoms/effects after eye contact	: Causes skin irritation. : Causes serious eye irritation.
<b>4.3. Immediate medical attention and speci</b> No additional information available	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishing	
Suitable extinguishing media Unsuitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. : In case of fire, all extinguishing media allowed.
5.2. Specific hazards arising from the chen	
Fire hazard	: Not flammable.
5.3. Special protective equipment and prec	
Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. Exercise caution when fighting
Protection during firefighting	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 measu	res
6.1. Personal precautions, protective equip	oment 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.
Emergency procedures	: Stop release.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify au	
6.3. Methods and material for containment	
For containment Methods for cleaning up	<ul> <li>Plug the leak, cut off the supply.</li> <li>Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.</li> </ul>
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal pro	tection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	<ul> <li>Avoid contact with eyes. Avoid contact with skin.</li> <li>Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.</li> </ul>
7.2. Conditions for safe storage, including	
Storage conditions	: Store in original container. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
SECTION 8: Exposure controls/person	al protection
8.1. Control parameters	
Adacor 80 TR-D3.5 (Mixture) No additional information available	

#### Safety Data Sheet

sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)
No additional information available	
cristobalite (14464-46-1)	
USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA	0.025 mg/m <sup>3</sup> respirable dust
USA - OSHA - Occupational Exposure Limits	
OSHA PEL (TWA) [1]	0.05 mg/m <sup>3</sup> respirable dust
aluminium oxide, non-fibrous (1344-28-1)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1 mg/m <sup>3</sup> respirable dust
quartz (14808-60-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.025 mg/m <sup>3</sup> (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
USA - OSHA - Occupational Exposure Limits	
Local name	Silica, crystalline quartz, respirable dust
OSHA PEL (TWA) [1]	0.05 mg/m <sup>3</sup> respirable dust
Remark (OSHA)	(3) See Table Z-3.
8.2. Appropriate engineering controls	
Appropriate engineering controls :	Emergency eye wash fountain with clean water.
8.3. Individual protection measures/Personal	protective equipment
Personal protective equipment:	
Avoid all unnecessary exposure. Hand protection:	
Wear protective gloves.	
Eve 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 o	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 Slurry.
	Gray
	earthy
Odor threshold :	No data available
pH :	> 10
Melting point :	> 2000 °F
Freezing point :	≈ 32 °F No data available
Boiling point : Flash point :	No data available
Relative evaporation rate (butyl acetate=1) :	No data available
Flammability (solid, gas)	Non flammable.
Vapor pressure :	No data available
Relative vapor density at 20°C	No data available
Relative density :	≈ 1.7 Moderately soluble in water
Solubility : Partition coefficient n-octanol/water (Log Pow) :	Moderately soluble in water. No data available
Auto-ignition temperature	No data available
Decomposition temperature :	No data available
Viscosity, kinematic :	Not Applicable
Viscosity, dynamic :	No data available
Explosion limits :	No data available
Explosive properties :	No data available No data available
Oxidizing properties :	

#### Safety Data Sheet

9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Air Setting.	
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	5%, aqueous solutions (1344-09-8)
LD50 oral rat	> 2000 mg/kg (Rat, Oral)
aluminium oxide, non-fibrous (1344-28-1)	
LD50 oral rat	> 15900 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 2.3 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
Skin corrosion/irritation :	Causes skin irritation. pH: > 10
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)
рН	11 – 13
cristobalite (14464-46-1)	
рН	6 – 7
aluminium oxide, non-fibrous (1344-28-1)	
рН	9 – 10.5 (aqueous suspension, 33 %)
quartz (14808-60-7)	
рН	6 – 7
Serious eye damage/irritation :	Causes eye irritation. pH: > 10
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)
рН	11 – 13
cristobalite (14464-46-1)	
рН	6 – 7
aluminium oxide, non-fibrous (1344-28-1)	
рН	9 – 10.5 (aqueous suspension, 33 %)

#### Safety Data Sheet

quartz (14808-60-7)	
pH	6 - 7
Germ cell mutagenicity :	Not classified Not classified May cause cancer (After drying or heating, Inhalation).
quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
Reproductive toxicity:STOT-single exposure:STOT-repeated exposure:Aspiration hazard:Viscosity, kinematic:	Not classified Not classified Not classified Not classified Not Applicable
aluminium oxide, non-fibrous (1344-28-1)	
Viscosity, kinematic	Not applicable (solid)
symptoms	Based on available data, the classification criteria are not met. After drying or heating. Danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation. Causes skin irritation.
	Causes serious eye irritation.
SECTION 12: Ecological information	
12.1. Toxicity	
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)
LC50 - Fish [1]	210 mg/l (96 h, Brachydanio rerio, Pure substance)
EC50 - Crustacea [1]	216 mg/l (96 h, Daphnia magna, Pure substance)
aluminium oxide, non-fibrous (1344-28-1)	
LC50 - Fish [1]	> 100 mg/l (96 h, Salmo trutta, Literature study)
EC50 - Crustacea [1]	> 100 mg/l (48 h, Daphnia magna, Literature study)
12.2. Persistence and degradability	
Adacor 80 TR-D3.5 (Mixture)	
Persistence and degradability	Not established.
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤5	5%, aqueous solutions (1344-09-8)
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
cristobalite (14464-46-1)	
Persistence and degradability	Mineral. Not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
aluminium oxide, non-fibrous (1344-28-1)	
Persistence and degradability	Not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

#### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

quartz (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	
Adacor 80 TR-D3.5 (Mixture)	
Bioaccumulative potential	Not established.
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤	55%, aqueous solutions (1344-09-8)
Bioaccumulative potential	No bioaccumulation data available.
cristobalite (14464-46-1)	
Bioaccumulative potential	No data available.
aluminium oxide, non-fibrous (1344-28-1)	
Bioaccumulative potential	No data available.
quartz (14808-60-7)	
Bioaccumulative potential	No data available.
12.4. Mobility in soil	
sodium silicate, alkaline 1.6/2.6, 35%≤conc≤	55%, aqueous solutions (1344-09-8)
Ecology - soil	No data available.
cristobalite (14464-46-1)	
Ecology - soil	No data available.
aluminium oxide, non-fibrous (1344-28-1)	
Surface tension	No data available in the literature
Ecology - soil	No data available.
12.5. Other adverse effects	
Effect on the global warming Other information	None known
SECTION 13: Disposal considerations	
13.1. Disposal methods	
	Dispose in a safe manner in accordance with local/national regulations.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA Department of Transportation (DOT) In accordance with 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	
All components of this product are present and listed	as Active on the United States Environmental Protection Agency Toxic Substances Control Act

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

aluminium oxide, no	on-fibrous (1344-28-1)				
Not subject to reporting	requirements of the United Sta	ates SARA Section 313			
Note	oxide contained ir	Note: The section 313 chemical list contains "CAS # 1344-28-1 Aluminum Oxide (Fibrous forms)"; the Aluminum oxide contained in this product is non-fibrous, and thus is not a section 313 material. Only manufacturing, processing, or otherwise use of aluminum oxide in the fibrous form triggers reporting.			
15.2. International re	gulations				
CANADA					
cristobalite (14464-4	6-1)				
Listed on the Canadian I	DSL (Domestic Substances Li	st)			
aluminium oxide, no	on-fibrous (1344-28-1)				
Listed on the Canadian I	DSL (Domestic Substances Li	st)			
EU-Regulations No additional information National regulations	available				
quartz (14808-60-7)					
Listed on IARC (Internat	ional Agency for Research on	Cancer)			
15.3. US State regula	tions				
Adacor 80 TR-D3.5 (	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			of California to cause		
cristobalite (14464-4	6-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity	U.S California - Proposition 65 - Reproductive Toxicity	No significant risk level (NSRL)	Maximum allowable dose level (MADL)

U.S California -	U.S California -	U.S California -	U.S California -	No significant risk	Maximum allowable
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	level (NSRL)	dose level (MADL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity	Reproductive Toxicity		
-		- Female	- Male		
Yes	No	No	No		

quartz (14808-60-7)						
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk	Maximum allowable	
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	level (NSRL)	dose level (MADL)	
Carcinogens List	Developmental Toxicity	Reproductive Toxicity	Reproductive Toxicity			
		- Female	- Male			
Yes	No	No	No			
Component		State or local regu	State or local regulations			
Cristobalite (14464-46-1)	)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous				
		Substance List; U.S Pennsylvania - RTK (Right to Know) List				
aluminium oxide, non-fibrous (1344-28-1)		U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous				
		Substance List; U.S	Pennsylvania - RTK (Rig	ht to Know) List		
Quartz (14808-60-7)		U.S New Jersey - Ri	ght to Know Hazardous	Substance List		
SECTION 16: Other	r information					
	ister / Vol. 77, No. 58 / Monda		es and Regulations			
Revision date : 8/5/2024						
Other information	:	: Report language name. English. In the event of any conflict between English and other languag				
	versions, the English version shall prevail.					
Full text of H-phrases						

Full text of H-phrases		
H315	Causes skin irritation	
H320	Causes eye irritation	
H350	May cause cancer	
Sefety Data Shaet (SDS) LISA		

Safety Data Sheet (SDS), USA

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