

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 2/26/2019 Revision date: 9/11/2024 Supersedes: 9/13/2021

Product name :					
Product name :					
CAS-No. : Product code : Other means of identification :	Mixture Rescoweld FS Mixture 7570 Silica Weld Powd	ler			
1.2. Recommended use and restrictions on us	se				
	Refractory Industrial use				
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.RescoProducts.com</u>	<u>om</u>				
1.4. Emergency telephone number				Conodo 1 900	424 0200
Emergency number :	EMERGENCY ON Outside USA & C			x Canada 1-800	J-424-93UU
SECTION 2: Hazard(s) identification					
2.1. Classification of the substance or mixtur	.e				
GHS US classification Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2B Carcinogenicity Category 1A Full text of H statements : see section 16	Н	1320	Causes sk Causes ey May cause		tion)
2.2. GHS Label elements, including precaution	onary statements	S			
GHS US labeling Hazard pictograms (GHS US) :					
Signal word (GHS US) : Hazard statements (GHS US) : Precautionary statements (GHS US) :	<ul> <li>Danger</li> <li>H350 - May cause cancer (Inhalation)</li> <li>H320 - Causes eye irritation</li> <li>H315 - Causes skin irritation</li> <li>P260 - Do not breathe dust.</li> </ul>				
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P280 - Wear Respiratory Protection, protective gloves, eye protection, In case of insufficient ventilation, wear suitable respiratory equipment.				
2.3. Other hazards which do not result in class	ssification				
	Dust may form ex	plosive mixture	e in air.		
2.4. Unknown acute toxicity (GHS US)					
No additional information available	ingradiente				
SECTION 3: Composition/Information on	ringredients				
3.1. Substances					
Not applicable					
3.2. Mixtures Name		Drockupt in	lontifier	0/	CHC US place if is the
Silicon Metal Powder		CAS-No.: 74		<mark>%</mark> 10 – 20	GHS US classification Not classified
cristobalite		CAS-No.: 14		5 – 10	Carc. 1A, H350
quartz Full text of hazard classes and H-statements : see sec		CAS-No.: 14		5 – 10	Carc. 1A, H350

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SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	<ul><li>Never give anything by mouth to an unconscious person.</li><li>Allow affected person to breathe fresh air.</li></ul>
First-aid measures after skin contact First-aid measures after eye contact	<ul> <li>Gently wash with plenty of soap and water.</li> <li>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present</li> </ul>
First-aid measures after ingestion	and easy to do. Continue rinsing. : Rinse mouth. Do not induce vomiting.
4.2. Most important symptoms and effects (	
Potential Adverse human health effects and symptoms	: Danger of serious damage to health by prolonged exposure through inhalation.
Symptoms/effects after inhalation	: 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	<ul> <li>Contact during a long period may cause slight irritation.</li> <li>Causes eye irritation.</li> </ul>
4.3. Immediate medical attention and specia	I treatment, if necessary
No additional information available	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishing	media
Suitable extinguishing media	: Dry powder. Dry sand. Carbon dioxide (CO2).
5.2. Specific hazards arising from the chemi	
Fire hazard	: Dry Silicon Metal in the form of lumps or granules (Bottom Screen >200 mesh) is not combustible.
Explosion hazard	: Dust cloud can be ignited by a spark.
5.3. Special protective equipment and preca No additional information available	utions for fire-fighters
SECTION 6: Accidental release measure	es
6.1. Personal precautions, protective equipr	nent and emergency procedures
General measures	: Avoid contact with skin and eyes.
6.1.1. For non-emergency personnel Protective equipment	: Do not breathe dust.
6.1.2. For emergency responders Protective equipment Emergency procedures	<ul> <li>Use personal protective equipment as required.</li> <li>Ventilate area.</li> </ul>
6.2. Environmental precautions	. Ventilate area.
No additional information available	
6.3. Methods and material for containment a	nd cleaning up
Methods for cleaning up	: Collect spillage. Prevent dust cloud formation.
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	<ul> <li>Avoid raising powdered material due to explosion hazard. Avoid contact with skin and eyes.</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 a	5 5
Storage conditions	: Store this product in a dry location where it can be protected from the elements. Store in a well-
Incompatible materials	ventilated place. Strong acids, bases. water.
SECTION 8: Exposure controls/persona	
8.1. Control parameters	
Rescoweld FS (Mixture)	
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

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cristobalite (14464-46-1)	
USA - OSHA - Occupational Exposure Limits	
OSHA PEL (TWA) [1]	0.05 mg/m <sup>3</sup> respirable dust
Silicon Metal Powder (7440-21-3)	
No additional information available	
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	
	Silica, crystalline quartz, respirable dust
OSHA PEL (TWA) [1] Remark (OSHA)	0.05 mg/m <sup>3</sup> respirable dust (3) See Table Z-3.
8.2. Appropriate engineering controls	. Drouide adequate ventilation to minimize dust concentrations
Appropriate engineering controls	: Provide adequate ventilation to minimize dust concentrations.
8.3. Individual protection measures/Person	iai 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:	
In case of inadequate ventilation wear respiratory pr	ratection
SECTION 9: Physical and chemical pro	operties
9.1. Information on basic physical and che	mical properties
Physical state	: Solid
Appearance	: Granular powder.
Color Odor	: Gray : None
Odor threshold	: No data available
pH	: No data available
Melting point	: >1100 °F
Freezing point	: No data available
Boiling point	: No data available
Flash point Relative evaporation rate (butyl acetate=1)	: No data available : No data available
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: ≈1.3
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature Decomposition temperature	: No data available : No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Product not explosive, although dusts may form explosive mixtures with air.
Oxidizing properties	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	

10.1. Reactivity

#### None known.

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10.2. Chemical stability				
Stable under normal conditions.				
10.3. Possibility of hazardous reactions				
Prolonged contact with water may release hydrogen. Reactions with acids and alkalis my release hazardous gases, including hydrogen.				
10.4. Conditions to avoid				
Avoid dust formation. Product not explosive, although o	dusts may form explosive mixtures with air.			
10.5. Incompatible materials				
Acids. Oxidizing agent. Strong bases. Water :				
10.6. Hazardous decomposition products				
May release flammable gases.				
SECTION 11: Toxicological information				
11.1. Information on toxicological effects				
Acute toxicity (oral) :	Not classified			
Acute toxicity (dermal) : Acute toxicity (inhalation) :	Not classified Not classified			
Skin corrosion/irritation :	Causes skin irritation.			
cristobalite (14464-46-1)				
рН	6 - 7			
quartz (14808-60-7)				
рН	6 – 7			
Serious eye damage/irritation :	Causes eye irritation.			
cristobalite (14464-46-1)				
рН	6 - 7			
quartz (14808-60-7)				
рН	6 – 7			
Respiratory or skin sensitization :	Not classified			
Germ cell mutagenicity :	Not classified			
Carcinogenicity :	May cause cancer (Inhalation).			
quartz (14808-60-7)				
IARC group	1 - Carcinogenic to humans			
Reproductive toxicity :	Not classified			
STOT-single exposure : STOT-repeated exposure :	Not classified Not classified			
Aspiration hazard :	Not classified			
Viscosity, kinematic :	No data available			
Potential Adverse human health effects and :	Danger of serious damage to health by prolonged exposure through inhalation.			
symptoms Symptoms/effects after inhalation :	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 :	Contact during a long period may cause slight irritation. Causes eye irritation.			
SECTION 12: Ecological information				
12.1. Toxicity				
No additional information available				
12.2. Persistence and degradability				
cristobalite (14464-46-1)				
Persistence and degradability	Mineral. Not applicable.			
Chemical oxygen demand (COD)	Not applicable			
ThOD	Not applicable			
BOD (% of ThOD)	Not applicable			

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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	
cristobalite (14464-46-1)	
Bioaccumulative potential	No data available.
quartz (14808-60-7)	
Bioaccumulative potential	No data available.
12.4. Mobility in soil	
cristobalite (14464-46-1)	
Ecology - soil	No data available.
12.5. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Disposal methods	
Product/Packaging disposal recommendations : SECTION 14: Transport information	Dispose in a safe manner in accordance with local/national regulations.
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	a Active on the United States Environmental Distoction Agency Tavis Sylasteness Control Act
(TSCA) inventory	s Active on the United States Environmental Protection Agency Toxic Substances Control Act
15.2. International regulations	
cristobalite (14464-46-1)	
Listed on the Canadian DSL (Domestic Substances List	St)
Silicon Metal Powder (7440-21-3)	
Listed on the Canadian DSL (Domestic Substances List	st)
EU-Regulations No additional information available National regulations	
quartz (14808-60-7)	
Listed on IARC (International Agency for Research on	Cancer)
15.3. US State regulations	
Rescoweld FS (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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cristobalite (1446	4-46-1)					
U.S California -	U.S California -	U.S California -	U.S California -	S California - No significant risk		
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-						
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 regulations				
Cristobalite (14464-46-1)		U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous				
			Pennsylvania - RTK (Rig			
Silicon Metal Powder (7440-21-3)		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				
Quartz (14808-60-7)		U.S New Jersey - Right to Know Hazardous Substance List				
<b>SECTION 16: O</b>	ther information					
according to Federal	Register / Vol. 77, No. 58 / Mono	day, March 26, 2012 / Rul	es and Regulations			
Revision date	5	: 9/11/2024	0			
Other information : Report language name. English. In the event of any conflict between English and other lang				English and other langua		
		versions, the English v	ersion shall prevail.	•		
Full text of H-phras	es					
	Causes skin irritation					
H320 (	Causes eye irritation					
H350 N	May cause cancer					
Safety Data Sheet (S						

Safety Data Sheet (SDS), USA

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