

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 11/21/2022 Revision date: 11/21/2022 Supersedes: 10/6/2020

SECTION 1: Identification						
1.1. Identification						
Product form Product name CAS-No. Product code Other means of identification	: Mixture : Inductocast 30 : Mixture : 0506					
1.2. Recommended use and restrictions o	: Alumina-Silicate Cement Bonded Castable					
Use of the substance/mixture	: Refractory					
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 <u>SDS@RescoProducts.com</u> - <u>WWW.RescoProduct</u>	is.com					
1.4. Emergency telephone number						
Emergency number	: EMERGENCY ONLY (CHEMTREC) USA & Canada 1-800-424-9300 Outside USA & Canada +1 703-741-5970					
SECTION 2: Hazard(s) identification						
2.1. Classification of the substance or mix	kture					
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	H315Causes skin irritationH320Causes eye irritationH350May cause cancer (Inhalation)					
2.2. GHS Label elements, including precat	utionary statements					
GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US)	: Danger : H315 - Causes skin irritation H320 - Causes eye irritation H350 - May cause cancer (Inhalation) : P280 - Wear eye protection, Dust respirator, protective gloves. 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. P260 - Do not breathe dust.					
2.3. Other hazards which do not result in o	classification					
No additional information available						
2.4. Unknown acute toxicity (GHS US)						
Not applicable SECTION 3: Composition/Information	on ingredients					
· · · · · · · · · · · · · · · · · · ·	on ingredients					
3.1. Substances						
Not applicable						
Not applicable						
3.2. Mixtures	Product identifier % GHS US classification					
Not applicable 3.2. Mixtures Name Calcium Aluminate Cement	Product identifier % GHS US classification CAS-No.: 65997-16-2 10 – 20 Skin Irrit. 2, H315 Eve Irrit. 2B, H320 Eve Irrit. 2B, H320					
3.2. Mixtures Name						

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SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: 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	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing 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	s (acute and delayed)
Potential Adverse human health effects and	: Based on available data, the classification criteria are not met.
symptoms	Maria and a state of the Decision of a stress of a stress of the state based as a state of the s
Symptoms/effects after inhalation	 May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes eye irritation.
4.3. Immediate medical attention and spec	cial treatment, if necessary
No additional information available	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishin	
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media 5.2. Specific hazards arising from the che	: In case of fire, all extinguishing media allowed.
Fire hazard	: Not flammable.
5.3. Special protective equipment and pre	
Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering
	environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measure	ures
6.1. Personal precautions, protective equi	ipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Do not breathe dust.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. : Ventilate area.
Emergency procedures	. venillate area.
6.2. Environmental precautions Prevent entry to sewers and public waters.	
6.3. Methods and material for containmen	t and cleaning up
Methods for cleaning up 6.4. Reference to other sections	: On land, sweep or shovel into suitable containers. Minimize generation of dust.
See Heading 8. Exposure controls and personal pr	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Avoid raising dust.
	Avoid contact with skin and eyes. Do not breathe dust.
Hygiene measures	: 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	
Storage conditions Incompatible products	 Store this product in a dry location where it can be protected from the elements. Strong bases. Strong acids.
SECTION 8: Exposure controls/perso	
8.1. Control parameters	
Inductocast 30 (Mixture)	
No additional information available	

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Calcium Aluminate Cement (65997-16-2)	
No additional information available	
cristobalite (14464-46-1)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.025 mg/m ³ respirable dust
USA - OSHA - Occupational Exposure Limits	
OSHA PEL (TWA) [1]	0.05 mg/m ³ respirable dust
aluminium oxide, non-fibrous (1344-28-1)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1 mg/m ³ respirable dust
8.2. Appropriate engineering controls	
Appropriate engineering controls	: Provide adequate ventilation to minimize dust concentrations.
8.3. Individual protection measures/Person	
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:	
Wear appropriate mask	
Other information: Do not eat, drink or smoke during use.	
SECTION 9: Physical and chemical pro	operties
9.1. Information on basic physical and cher	mical properties
Physical state	: Solid
Appearance	: Granular mixture.
Color	: Light gray
Odor	: earthy
Odor threshold	: No data available
pH Melting point	: No data available : > 2000 °F
Freezing point	: >2000 F
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 2-3 Sliphthy coluble
Solubility Partition coefficient n-octanol/water (Log Pow)	: Slightly soluble. : 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
Oxidizing properties	: No data available

9.2. Other information

No additional information available

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Germ cell mutagenicity : Not classified Carcinogenicity : May cause cancer (Inhalation). Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified /iscosity, kinematic : Not classified aluminium oxide, non-fibrous (1344-28-1)	Respiratory or skin sensitization :	Not classified
Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified /iscosity, kinematic : Not Applicable	Germ cell mutagenicity :	
STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified /iscosity, kinematic : Not Applicable	Carcinogenicity :	
STOT-repeated exposure : Not classified Aspiration hazard : Not classified /iscosity, kinematic : Not Applicable aluminium oxide, non-fibrous (1344-28-1)		
Aspiration hazard : Not classified /iscosity, kinematic : Not Applicable aluminium oxide, non-fibrous (1344-28-1)		
/iscosity, kinematic : Not Applicable aluminium oxide, non-fibrous (1344-28-1)		
aluminium oxide, non-fibrous (1344-28-1)		
	aluminium oxide, non-fibrous (1344-28-1)	
Viscosity, kinematic Not applicable (solid)	Viscosity, kinematic	Not applicable (solid)

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symptoms	Based on available data, the classification criteria are not met.				
Symptoms/effects after inhalation :	: May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.				
Symptoms/effects after skin contact : Symptoms/effects after eye contact :	Causes skin irritation. Causes eye irritation.				
SECTION 12: Ecological information					
12.1. Toxicity					
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					
Inductocast 30 (Mixture)					
Persistence and degradability	Not established.				
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				
12.3. Bioaccumulative potential					
Inductocast 30 (Mixture)					
Bioaccumulative potential	Not established.				
cristobalite (14464-46-1)					
Bioaccumulative potential	No data available.				
aluminium oxide, non-fibrous (1344-28-1)					
Bioaccumulative potential	No data available.				
12.4. Mobility in soil					
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 :	None known				
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					

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Department of Tra	ansportation	(DOT)				
In accordance with		()				
Not regulated	-					
Transportation of	Dangerous (Goods				
Not regulated						
Transport by sea						
Not regulated						
Air transport Not regulated						
SECTION 15: R	egulatory	information				
15.1. US Federal						
All components of t (TSCA) inventory	his product ar	e present and listed as	s Active on the United St	ates Environmental Prot	ection Agency Toxic Su	ibstances Control Act
aluminium oxide	e, non-fibro	us (1344-28-1)				
Not subject to report	ting requirem	ents of the United Stat				
Note				s "CAS # 1344-28-1 Alun		
				s, and thus is not a secti xide in the fibrous form t		nanufacturing,
15.2. Internationa	al regulatio	ns				
CANADA		(
Calcium Alumin						
Listed on the Canad	dian DSL (Dor	mestic Substances List	t)			
cristobalite (144	61-16-1)					
		mestic Substances List	t)			
Listed on the Canad			()			
aluminium oxide	e non-fibro	us (1344-28-1)				
		mestic Substances List	t)			
EU-Regulations			·)			
No additional inform		e				
National regulation	S					
No additional inform		•				
15.3. US State re	gulations					
Inductocast 30 (Mixture)					
U.S California - P	roposition 65	- Other information		rystalline silica, a chemi		f California to cause
			cancer. For more infor	mation go to WWW.P65	Warnings.ca.gov	
cristobalite (144						
U.S California -		- California -	U.S California -	U.S California -	No significant risk	Maximum allowable
Proposition 65 - Carcinogens List		osition 65 - elopmental Toxicity	Proposition 65 - Reproductive Toxicity	Proposition 65 - Reproductive Toxicity	level (NSRL)	dose level (MADL)
Carcinogens List	Deve		- Female	- Male		
Yes	No		No	No		
0				- (1		
Cristobalite (14464-	omponent State or local regulations					
Clistobalite (14404-	40-1)		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, no	aluminium oxide, non-fibrous (1344-28-1) U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardo Substance List; U.S Pennsylvania - RTK (Right to Know) List				o Know Hazardous	
SECTION 16: C	ther inform	mation				
			(March 26, 2012 / Pulo	s and Regulations		
Revision date	according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 11/21/2022					
Revision date . 11/21/2022 Other information : Report language name. English. In the event of any conflict between English and other language					alish and other language	
			versions, the English ve		,	J
Full text of H-phra			<u> </u>	·		
H315	Causes skin irritation					
H320	Causes eye irritation					
H250	May cause of	ancor				

H350 May cause cancer Safety Data Sheet (SDS), USA

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.