MATERIAL SAFETY DATA SHEET

Resco Products, Inc. Penn Center West Building 2, Suite 430 Pittsburgh, PA 15276 Emergency Telephone No.: 412-494-4491 Prepared By: Telephone No: Date: Supersedes Date:

Research & Development 336-299-1441 Ext. 20 12/30/11 12/01/08

			Section 1	1- Product Name				
Material Nam	e: Hydro	us Aluminum Sili						
Intended Use								
Product Nam		t Clay						
Brand Code:		,						
	ę	Section 2- Compo	sition And I	nformation On Hazardous	Ingredients			
Ingred		CAS No.	% Weight	OSHA PEL	ACGIH TLV	SEC 313		
Crystalline Silic		Not Applicable	10-20	Not Applicable	Not Applicable	No		
Cristobalite		14464-46-1		0.05mg/m ³ Respirable	0.025mg/m ³ Respirable			
Tridymite		15468-32-3		0.05mg/m ³ Respirable	Withdrawn			
Quartz		14808-60-7		0.1 mg/m ³ Respirable	0.025 mg/m ³ Respirable			
Notes: The PE	L and ILV va			weighted averages, unless oth	nerwise specified.			
				azards Identification				
	te(s) of Entr	y for Particulate:		Dust may be irritating to skin Skin: Yes Inhalation: Ye		ranes.		
Acute:		irritate and/or abra	ide eves					
		irritate skin						
			ict may be irr	itating to respiratory tract.				
Chronic:								
on ono.	Eye: None known Skin: None known							
	Inhalation: Prolonged or repeated inhalation of dusts of this product in excess of the stated PEL or TLV							
	may cause lung disease (silicosis). According to the International Agency for Research on Cancer							
	may cause					cer		
		e lung disease (sili	cosis). Acco	rding to the International Ag	gency for Research on Can			
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Short Term Toxicity Crystalline Silica (Total) Cristobalite

Section 6- Accidental Release Measures

If dusts are generated during the spill, these should be collected by gently sweeping the material into a dust pan or collecting with a vacuum device. All personnel engaged in cleanup operations should adhere to the instructions outlined in section 8 for personal protection. Disposal of wastes from cleanup operations should be carried out in accordance to the guidelines outlined in Section 13.

Section 7- Handling And Storage

Handling: Avoid direct contact with product or dust from product by wearing protective clothing, using approved respiratory protection, and wearing gloves of the impermeable type.

Storage: The product should be stored in a dry location. Pallet protection such as shrink-wrap or stretch-wrap should be kept in place until the product is required.

Section 8- Exposure Control/Personal Protection

Engineering Controls: Process enclosures, local exhaust ventilation, or other engineering process controls may be necessary to keep any air contaminates associated with this product within their TLV's. This is particularly true if the user operation generates dust, vapors, or mist.

Respiratory Protection: This MSDS is prepared to alert customers and other users to the various components of the product and their relative quantity and toxicity in the product as provided. The user must review his/her own circumstances and then determine what is required to establish a respiratory protection program that meets OSHA 1910.134 requirements. If workplace conditions warrant respiratory protection, use MSHA/NIOSH approved units as listed in the current 29 CFR 1910.134 for the existing conditions. Some type or respiratory protection is recommended even for the best conditions. Actual respirator selection should be made after consultation with a competent health and safety professional.

Eye Protection: Industrial-type safety glasses offer some protection, goggles offer more.

Protective Gloves: Use as needed to prevent direct skin contact.

Other Protective Clothing or Equipment: Wear clothing designed to limit direct exposure to product, or dust, vapors, or mist associated with product. If clothing becomes contaminated, it should be laundered before wearing again. Maintain good personal hygiene. Wash hands thoroughly before eating or drinking.

good personal hygiene. M	0,7			
	Section 9- Ph	ysical and Chemical Properties		
Appearance: Granular Powder, Earthy Color		Vapor Pressure: Not Applicable		
Odor: Earthy Odor		Vapor Density: Not Applicable		
Water solubility: Slight		pH: 4-6		
Density (H₂O=1): 2.6		Boiling Point: Not Applicable		
% Volatile (By Weight@ 1800°F): 0		Melting Point: Greater than 2,000°F		
	Section	10- Stability And Reactivity		
Chemical Stability: This Conditions to avoid: Nor Incompatible Materials: Hazardous Decompositi	ne None	ormal conditions of shipping, storage, and install	ation.	
Hazardous Polymerizati				
Reactivity: None	on. None			
Reactivity: None	Section 1	1- Toxicological Information		
	LD ₅₀	LC ₅₀		
Crystalline Silica (Total)				
Cristobalite	No Data	No Data		
Tridymite	No Data	No Data		
Quartz	No Data	No Data		
Target Organs	1			
Crystalline Silica (Total)				
Cristobalite		Respiratory		
Tridymite		Respiratory		
Quartz	Respiratory			
Long Term Toxicity				
Crystalline Silica (Total)				
Cristobalite	Repeated and prolonged inhalations may cause lung disease (silicosis).			
Tridymite	Repeated and prolong	Repeated and prolonged inhalations may cause lung disease (silicosis).		
Quartz	Repeated and prolone	ed inhalations may cause lung disease (silicosis).		

Repeated and prolonged inhalations may cause lung disease (silicosis)

Tridymite	Repeated and prolonged inhalations may cause lung disease (silicosis).				
Quartz	Repeated and prolonged inhalations may cause lung disease (silicosis).				
Section 12- Ecological Information					
Accidental Release: No information has been developed regarding the ecotoxicity or environmental fate of this product.					
Section 13- Disposal Considerations					

Waste Disposal Method: This material is not considered a hazardous waste as defined by 40 CFR 261. However, used product (and dust generated during maintenance and tear-out operations) may be contaminated with other hazardous substances from the particular application (for example, metals). Therefore, appropriate waste analysis may be necessary to determine proper disposal. Waste characterization and disposal/treatment methods should be determined by a qualified environmental professional in accordance with applicable federal, state, and <u>local regulations</u>.

Section 14-Transport Information

DOT (Department of Transportation) Classification under 49 CFR 172.101: Not Regulated UN (United Nations) Number: Not Applicable

NA (North American) Number: Not Applicable

Section 15- Regulatory Information

Resco Products, Inc. considers this product to be hazardous as defined by the OSHA Hazardous Communications Standard (29 CFR 1910.1200). Section 2 chemicals, which must be addressed, and the summary of regulatory and other lists upon which they appear are:

INGREDIENT	CAS NUMER	LIST			
Crystalline Silica	Not Applicable				
Cristobalite	14464-46-1	1,2,3,4			
Tridymite	15468-32-3	1,2,3,4			
Quartz	14808-60-7	1,2,3,4			

The lists are as follows:

1. ACGIH TLV "Threshold Limit Values" (2010)

2. OSHA Air Contaminates- Permissible Exposure Limits

3. Canadian Domestic Substance List

4. EPA TSCA Chemical Inventory List

WHMIS Hazard Classification (Canada): D-2A

SARA Title III: Section 311/312 Hazardous Categories: Irritant

Section 16- Other Information

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.