Safety Data Sheet

ULTRA SEAL® WELL BOND

Date of Issue : 05.03.2022	Replaces : 06.03.2017	Valid no longer than : 04.03.2027

1.0	**Chemical Product and Company Identification**	
	Product Name	ULTRA SEAL®WELL BOND
	Chemical Family	Polymers & other additives
	Product Use	Well Head Seal
	Supplier	Well Engineering Technology Sdn Bhd 6.07 Level 6, Menara Hap Seng Jalan P. Ramlee 50250 Kuala Lumpur
	Emergency Phone Number	+6019 3566035/24hours
	Information Phone Number	+603 2022 0803
	Email Address	welltech@wellengineering.com
	HMIS	Health: 1 Flammability: 1 Physical Hazard: 0 PPE: E

2.0	**Composition / Information on ingredients**	
	Copolymer of Acrylamide: Sodium Acrylate	CAS No: 25085-02-3 Wt%: 20 – 40 Ingredient Comments: As Chrome III (+3) TWA: 0.5mg/m^3
	Basic Chrome Acetate	CAS No: 39430-51-8 Wt%: 5 - 20 SARA 13 Chemical TWA: 10mg/m^3
	Silica Flour	CAS No: 14808-60-7 Wt%: 50 – 70 Ingredient Comments: Crystalline-Quartz TWA: 0.1mg/m^3
3.0	**Hazard Identification**	
	Emergency Overview	Caution! May cause eye, skin, and respiratory tract irritation. Long-term inhalation of particulates may cause lung damage. This product containes crystalline silica that may cause silicosis and cancer
	Physical	Free Flowing
	Odor	Mild (very faint)
	Color	Greenish / White
	Physical State	Powder

	Potential Health Effects	Acute effects
	Eye Contact	May cause mechanical irritation
	Skin Contact	May cause mechanical irritation. Long term contact can cause skin dryness
	Inhalation	May cause mechanical irritation
	Ingestion	May cause gastric distress, nausea, and vomiting
	Carcinogenicity & Chronic Effects	Some particulate dust may cause allergic sensitization of some individuals, characterized either by breathing distress or topical skin irritation symptoms. This product may cause silicosis and cancer. Good safety practices, such as gloves, safety glasses and respiratory protection, should be followed
	Routes of Exposure	Eyes, dermal (skin) contact, inhalation; over-exposure by inhalation may cause sneezing and transient respiratory tract
	Target Organs	Eyes, skin, respiratory system

40	**First Aid Measures**	
	Eye Contact	Promptly wash eyes with lots of water while lifting eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues
	Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Get medical attention if any discomfort continues
	Inhalataion	Move person to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen. Get medical attention
	Ingestion	Dilute with 2 – 3 glasses of water or milk, if conscious. Never give anything by mouth to an unconscious person. If signs of irritation or toxicity occur seek medical attention

5.0	**Fire Fighting Measures**	
	Flash Point	N/A
	Flammable Limits in Air	Lower: N/A Upper: N/A
	Auto Ignition Temperature	N/A
	Flammability Class	N/A
	Other Flammability Properties	Particulate may accumulate static electricity. Dust at sufficient concentrations can form explosive mixtures with air
	Extinguishing Media	Use extinguishing media appropriate for surrounding fire

	Protection of Fire Fighters	
	Special Fire Fighting Procedures	Do not enter fire area without proper personal protective equipment; including NIOSH/MSHA approved SCBA. Evacuate area and fight fire from safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water run-off out of sewers and waterways
	Hazardous Combustion Products	Not determined

6.0	**Accidental Release Measures**	
	Personal Precautions	Use personal protective equipment identified in section 8
	Spill Procedures	Evacuate surrounding area, if necessary. Wet product may create a slipping hazard. Contain spill material. Avoid the generation of dust. Sweep, vacuum, or shovel and place into closable container for disposal. Use proper PPE for this task.
	Environmental Precautions	Do not allow entering sewer or surface and subsurface waters. Waste must be disposed of in accordance with federal, state, and local laws

7.0	**Handling and Storage**	
	Handling	Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid generating or breathing dust. Product is slippery when wet. Use only in well ventilated area. Wash contacted areas thoroughly after handling
	Storage	Store in dry, well ventilated area. Keep container closed. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink wrapping, and stacking

8.0	**Exposure Control / Personal Protection**	
	Engineering Controls	Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to ensure air contamination and keep workers exposure below the applicable limits
	Personal Protective Equipment	
	Eye / Face Protection	Dust resistant safety goggles
	Skin Protection	Wear appropriate clothing to prevent repeated or prolonged skin contact. Chemical resistant gloves recommended for prolonged or repeated contact. Use protective gloves made / have: Neoprene, Nitrile
	Respiratory Protection	Use at least a NIOSH-approved N95 half-mask disposable or reusable particulate respirator (dusk mask). In work environments containing oil mist/aerosol, use at least NIOSH-approved P95 mask disposable or reusable particulate respirator. For exposure exceeding 10 x PEL use NIOSH approved N100 particulate respirator
	General Hygiene	Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded, if contaminated with product

9.0	**Physical and Chemical Properties**	
	Color	Greenish / White
	Odor	Mild (or faint)
	Physical State	Powder, Dust
	pH	Neutral
	Vapor Pressure	N/A
	Vapor Density	N/A
	Boiling Point	Not determined
	Melting / Freezing Point	Not determined
	Solubility (Water)	Insoluble
	Specific Gravity (H20=1)	1.2 @ 68°F (20°C)
	Evaporation Rate	N/A
	Odor Threshold(s)	N/A

10.0	**Stability and Reactivity**	
	Chemical Stability	Stable
	Conditions to Avoid	Keep away from heat, sparks, and flame
	Materials to Avoid	Avoid strong oxidizers
	Hazardous Decomposition of by-products	Product will not readily decompose
	Hazardous Polymerization	Will not occur

11.0	**Toxicological Information**	
	Basic Chrome Acetate (Cr+3)	CAS No: 39430-51-8
	Copolymer of Acrylamide: Sodium Acrylate	CAS No: 39430-51-8 Acute Data: Oral LD50: >2000mg/kg
	Silica Flour, Silica Dioxide	CAS No: 14808-60-7 Acute Data: Oral (LD 50) mg/kg: Acute: 3160(Rat)
	Product Toxicological Information	Long term inhalation of product can cause irritation, inflamation, and / or permanent injury to the lungs. Irritant in case of eye contact and inhalation. Irritant in case of skin contact and ingestion. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans

12.0	**Ecological Information**	
	Component Eco Toxicity Data	No data available
	Product Eco Toxicity Data	Not determined
	Biodegradation	Not determined
	Bioaccumulation	Not determined

13.0	**Disposal Considerations**	
	Waste Classification	Not determined
	Waste Management	Under US EPA Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixes, processes, etc, may render the resulting materials hazardous. Empty containers retain residues. All labeled precautions must be observed
	Disposal Method	Not hazardous according to the RCRA criteria or listings. Dispose of according to Local, State and National Regulations. Dispose in general landfill.

14.0	**Transport Information – US DOT**	
	Shipping Description	Not a DOT / IMO Hazardous Material
	TDG (Canada)	Not regulated
	Shipping Description	Not regulated
	DOT Class	None
	IMCO	None
	ICAO / IATA	None

15.0	**Regulatory Information**	
	SARA 311/312 Hazard Categories	Delayed (chronic) health hazard
	State Comments	Proposition 65: This product contains chemical(s) considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 to cause cancer and/or reproductive toxicity. See table under US. Federal and State Regulations fort the specific chemicals
	Inventory Comment	"Listed" indicates the component is listed or exempt from listing on the chemical inventory
	Canadian Regulation	Controlled Products Regulations Statement: This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR

	WHMIS Class	D2A. Material causing other toxic effects (crystalline silica)
	DSCL (EEC)	R26/28 – Very toxic by inhalation-crystalline silica. R36 – Irritating to eyes

Ingredient	SARA313	CERCLA RQ	SARA 302/TPQs	CA 65 Cancer	CA 65 Dev. Tox.	CA 65 Repro F	CA 65 Repro M
Basic Chrome Acetate	Not Listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Copolymer of Acrylamide	Not listed	Listed	Listed	Listed	Not listed	Listed	Not listed
Silica Flour	Not Listed	Listed	Listed	Listed	Not listed	Not listed	Not listed

International Inventory						
Ingredient	**CAS No**	**TSCA**	**DSL**	**NDSL**	**EINECS**	**AICS**
Basic Chrome Acetate	39430-51-8	Listed	Listed	Not listed	Listed	Listed
Copolymer of Acrylate	25085-02-3	Listed	Listed	Not Listed	Listed	Listed
Silica Flour	14808-60-7	Listed	Listed	Not Listed	Listed	Listed

16.0	**Other Information**
	All the recommendations and suggestions herein concerning our product are based upon tests and data believed to be reliable, however, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by M&D Industries of Louisiana, Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does M&D Industries of Louisiana, Inc. assume any liability arising out of use by others. Nor is the information herein to be considered absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.