Section 1 – Chemical Product / Company Information

Product Name: ISOLA-GUARD® WB 500, Part B

Effective Date: October 13, 2015

Product Use/Class: One part of a two part coating for application over fireproofing

Manufacturer: United States Mineral Products Company
dba Isolatek International
41 Furnace Street
Stanhope, NJ 07874 USA
(973)-347-1200

Preparer: R&D Department

In Case of Emergency Call: **CHEMTREC**

Supersedes: November 7, 2014

800.424.9300 (USA) +1 703.527.3887 (Int'l)

Section 2 – Hazards Identification

GHS Classification:

Hazard Class	Hazard Category	Route of Exposure
Skin Irritation	2	Skin
Skin Sensitizer	1	Skin
Eye Irritation	2B	Eye
Inhalation Toxicity	4	Nose/Mouth

Global Harmonization Labeling and Classification:

Signal word: Warning

Hazard Symbol(s): GHS07, GHS09

Overview: A thick liquid that poses little immediate hazard. However, prolonged skin contact may cause irritation or allergic reaction.

Primary Route(s) of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: Sensitive skin; respiratory conditions

Hazard Statements:	
H303	May be harmful if swallowed.
H313	May be harmful in contact with skin.
H320	Causes eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

Precautionary Statements:	
P202	Do not handle until safety precautions have been read and understood.
P261	Avoid breathing dust/ fumes/ gas/ mist/ vapours/ spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well ventilated area.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284	In case of inadequate ventilation, wear respiratory protection.
P403	Store in a well ventilated place.
EUH205	Contains epoxy constituents. May produce an allergic reaction.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Response:	
P301+P330 P331+P312	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell.
P302+P352+ P332+P313+ P363	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
P304+P340+ P342+P313	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/ attention.
P305+P351+ P338+P337+ P313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Storage:	
P402+P403+ P404+P410+ P411	Store in a dry place. Store in a well ventilated place. Store in a closed container. Protect from sunlight. Store at temperatures not exceeding 38°C/ 100°F.

Disposal:	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations (see section 13).

Section 3 – Composition / Information On Ingredients

Chemical Name	CAS Number	Wt. %
Water	7732-18-5	20-40
Kaolin	1332-58-7	10-30
Zinc Oxide	1314-13-2	1-15
Titanium Dioxide	13463-67-7	5-15
Polyamine Polymer	61790-69-0	5-15
Tetraethylene Pentamine	112-57-2	0.25-1

Section 4 – First Aid Measures

General – If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

First Aid – Skin Contact: Wash with soap and water. Remove contaminated clothing. If persistent irritation occurs, seek medical attention.

First Aid – Eye Contact: Flush eyes thoroughly with copious amounts of water. Seek medical attention if irritation persists.

First Aid – Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

First Aid – Ingestion: If swallowed do not induce vomiting. Rinse mouth out with water. Seek immediate medical attention.

Protection of first aid responders: Wear proper personal protective clothing and equipment.

Section 5 – Fire Fighting Measures

Extinguishing Media:	NFPA non-combustible liquid: ABC dry chemical, foam or carbon dioxide.
Unusual Fire & Explosion Hazards:	Product is not considered a fire hazard. Closed container may rupture (due to build up of pressure) when exposed to extreme heat. Irritating or toxic substances may be emitted upon burning, combustion or decomposition (including but not limited to ammonia gas and nitrogen oxide gases). Do not allow run-off from fire fighting to enter drains and water courses.
Special Firefighting Procedures:	Wear positive pressure self-contained NIOSH approved breathing equipment and approved protective equipment if necessary.

Section 6 – Accidental Release Measures

Personal precautions, Protective Equipment, and Emergency Response: Use personal protective equipment as recommended in section 8. If spilled in an enclosed area, ventilate.

Environmental precautions: This product contains a component that is very toxic to aquatic life. Keep out of drains, sewers, ditches and waterways. Avoid runoff to waterways and sewers.

Methods and materials for containment and cleaning up: If spilled, absorb spill with vermiculite or other inert material (such as sand). Collect up and place in a chemical waste container for disposal. Clean surface thoroughly to remove residual contamination.

Section 7 – Handling And Storage

Precautions for safe handling: When working with any chemical product, use good workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well ventilated conditions. Avoid skin and eye contact. Avoid inhalation of mist, spray, fume or vapor. Avoid drinking tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse.

Conditions for safe storage: **Conditions for safe storage**: Store between 4 and 38°C (40 and 100°F). Keep away from heat, sparks, and open flames. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container containing residual product which may exhibit hazards of product. Do not reuse empty container.

Section 8 – Exposure Controls / Personal Protection

Permissible Exposure Limits

Chemical Name	CAS Number	OSHA PEL	ACGIH TLV	NIOSH	Mexico
Titanium Dioxide	13463-67-7	15 mg/m^3 TWA(8hr.)	10mg/m^3 TWA(8hr.)	N/E	N/E
Zinc Oxide	1314-13-2	5 mg/m^3 TWA(8hr.)	2mg/m^3 TWA(8hr.)	N/E	N/E
Polyamine Polymer		N/E	N/E	N/E	N/E
Tetraethylene Pentamine	112-57-2	N/E	N/E	N/E	N/E

Engineering Controls: Mechanically exhaust vapors at appropriate times in application of product.

Respiratory Protection: In confined areas or areas with poor ventilation, use an organic vapors cartridge type respirator.

Skin Protection: Wear chemical resistant (impervious) gloves. Use chemical resistant protective clothing.

Eye Protection: Wear proper eye protection; at minimum, safety glasses with side shields.

Work / Hygienic Practices: Use proper personal protective equipment. Eye wash stations are recommended in the work area.

Other Precautions: This product must be mixed with another component before use. Before use READ AND FOLLOW WARNING LABELS ON BOTH COMPONENTS.

Section 9 – Physical And Chemical Properties

Appearance: Tan/grey liquid
Odor: Mild
pH: Not Applicable
Melting Point (°F): Not Applicable
Boiling Point (°F): >212°F
Flash Point: Not Applicable
Evaporation Rate: Slower than N-Butyl acetate
Flammability: Not Applicable
Lower Explosive Limit: Not Applicable
Upper Explosive Limit: Not Applicable
Vapor Pressure (mm Hg): Not Applicable
Solubility in Water: Suspension
Specific Gravity (H_2O=1): 1.3-1.6
Physical State: Liquid
% Total Volatiles: 40%
Auto ignition temperature Not Applicable

Section 10 – Stability And Reactivity

Chemical Stability (under normal conditions): Stable
Possibility of Hazardous Reactions: None
Conditions to Avoid: Excessive heat. Strong oxidizer.
Incompatibility: Strong Acids, bases, and oxidizing agents.
Hazardous Decomposition Products: Thermal decomposition may produce smoke, carbon monoxide (CO), carbon dioxide (CO2), nitrosamine, chlorine, nitric acid and other products of incomplete combustion.
Hazardous Polymerization: No hazardous polymerization will occur under normal conditions.

Section 11 – Toxicological Information

Information on likely routes of exposure:

General: Caution must be exercised through the prudent use of personal protective equipment and handling procedures to minimize exposure.

Eyes: May cause eye irritation.

Skin: May cause allergic skin reaction. Causes skin irritation.

Inhalation: High airborne concentrations of vapors resulting from heating, misting or spraying may cause irritation of the respiratory tract and mucous membranes.

Ingestion: Not likely route of exposure but ingestion may cause irritation.

Carcinogenicity	**IARC**			**NTP**		**OSHA**
Chemical Name	**Group 1**	**Group 2A**	**Group 2B**	**Known**	**Suspect**	
Titanium Dioxide	No	No	No	No	No	No
Zinc Oxide	No	No	Yes	No	No	No
Polyamine Polymer	No	No	No	No	No	No
Tetraethylene Pentamine	No	No	No	No	No	No

Acute toxicity
No toxicity studies have been conducted on this product.

Zinc Oxide

LD50 Oral	Mouse	7,950 mg/kg
LD50 Inhalation	Mouse	2,500 mg/m^3

Titanium Dioxide

LD50 Oral	Rat	10,000 mg/kg
LD50 Inhalation	Rat	6.8 mg/L
LD50 Dermal	Rabbit	10,000 mg/kg

Tetraethylene Pentamine

LD50 Dermal	Rabbit	660 uL/kg

Chronic effects – For this category no toxicological test data is available for the whole product.
Carcinogenicity - For this category no toxicological test data is available for the whole product.
Mutagenicity - For this category no toxicological test data is available for the whole product.
Teratogenicity - For this category no toxicological test data is available for the whole product.
Developmental effects - For this category no toxicological test data is available for the whole product.
Fertility effects - For this category no toxicological test data is available for the whole product.
Target organs – For this category no toxicological test data is available for the whole product.

Review Section 2 for any additional assessments.

Section 12 – Ecological Information

Ecological Information: No ecological testing has been conducted on this product.

Ecotoxicity
Zinc Oxide

Fish (rainbow trout) 96 hour LC50	1.1mg/L
Invertebrate (Daphnia) 48 hour EC50	0.098 mg/L

Polyamine polymer

Invertebrate (Daphnia) 24 hour EC50	10 mg/L
Invertebrate (Daphnia) 48 hour EC50	1.21 mg/L

Persistence and degradability: N/E
Bioaccumulative potential: N/E
Mobility in soil: N/E

Section 13 – Disposal Considerations

Disposal Information: Do not allow the product to enter drains, water courses or the soil. Liquids can not be disposed of in a landfill. Allow liquid material to dry. Dispose of in accordance with federal, state and local regulations.

Section 14 – Transportation Information

Proper Shipping Name: Not regulated – See Bill of Lading for details
Technical Name: Not regulated
Hazard Class: Not regulated
UN/NA Number: Not regulated
Additional Notes: None

Section 15 – Regulatory Information

US Regulations
HCS Classification Irritating material, Sensitizing material

SARA 313 - Supplier Notification Zinc Oxide

U.S. Federal Regulations SARA 311/312	Immediate Health (Acute)	Delayed Health (Chronic)	FIRE	PRESSURE	REACTIVE
	Yes	No	No	No	Yes

U.S. State Regulations	State Hazardous Substance List				
	CAS Number	CA	MA	NJ	PA
	13463-67-7	No	No	No	No
	1314-13-2	Yes	Yes	Yes	Yes
	112-57-2	Yes	Yes	Yes	Yes

INTERNATIONAL REGULATIONS AS FOLLOWS:

Chemical Inventory Status

All chemicals in this product are listed or exempt from listing in the following:

U.S	Canada	Europe	Australia	Korea
TSCA	DSL | NDSL	EINECS | ELINCS	AICS	ECL
Yes	Yes | No	Yes	Yes	Yes

CANADIAN WHMIS

This SDS has been prepared in compliance with Controlled Product Regulations and contains all information required.

CANADIAN WHMIS CLASS: D2B

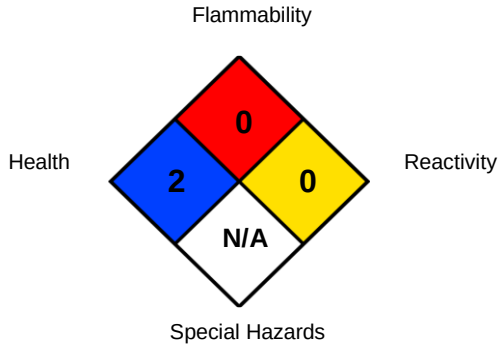
HMIS Ratings

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): <19.2 g/L

Section 16 – Other Information

N/E – Non Established
N/A – Not Applicable

NFPA:



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