



**Section 1 – Chemical Product / Company Information**

**Product Name:** ISOLA-GUARD® WB 510, 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 **Preparer:** R&D Department  
 dba Isolatek International  
 41 Furnace Street  
 Stanhope, NJ 07874 USA  
 (973)-347-1200

**In Case of Emergency Call: CHEMTREC** **Supersedes:** August 6, 2014  
 800.424.9300 (USA) +1 703.527.3887 (Int'l)

**Section 2 – Hazards Identification**

GHS Classification:	Hazard Classification:	Route of Exposure
Hazard Class		
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:	
<b>H303</b>	May be harmful if swallowed.
<b>H313</b>	May be harmful in contact with skin.
<b>H320</b>	Causes eye irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H400</b>	Very toxic to aquatic life.

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

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

<b>Storage:</b>	
<b>P402+P403+ P404+P410+ P411</b>	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.

<b>Disposal:</b>	
<b>P501</b>	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	10-35
Kaolin	1332-58-7	20-40
Zinc Oxide	1314-13-2	5-15
Titanium Dioxide	13463-67-7	10-15
Polyamine Polymer	61790-69-0	10-20
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:** 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 <sup>3</sup> TWA(8hr.)	10mg/m <sup>3</sup> TWA(8hr.)	N/E	N/E
Zinc Oxide	1314-13-2	5 mg/m <sup>3</sup> TWA(8hr.)	2mg/m <sup>3</sup> 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

<b>Appearance:</b>	Tan/grey liquid
<b>Odor:</b>	Mild
<b>pH:</b>	Not Applicable
<b>Melting Point (°F):</b>	Not Applicable
<b>Boiling Point (°F):</b>	>212°F
<b>Flash Point:</b>	Not Applicable
<b>Evaporation Rate:</b>	Slower than N-Butyl acetate
<b>Flammability:</b>	Not Applicable
<b>Lower Explosive Limit:</b>	Not Applicable
<b>Upper Explosive Limit:</b>	Not Applicable
<b>Vapor Pressure (mm Hg):</b>	Not Applicable
<b>Solubility in Water:</b>	Suspension
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.4-1.7
<b>Physical State:</b>	Liquid
<b>% Volatiles:</b>	30%
<b>Auto ignition temperature</b>	Not Applicable

## Section 10 – Stability And Reactivity

<b>Chemical Stability (under normal conditions):</b>	Stable
<b>Possibility of Hazardous Reactions:</b>	None
<b>Conditions to Avoid:</b>	Excessive heat. Strong oxidizer.
<b>Incompatibility:</b>	Strong Acids, bases, and oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may produce smoke, carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ), nitrosamine, chlorine, nitric acid and other products of incomplete combustion.
<b>Hazardous Polymerization:</b>	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	
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 <sup>3</sup>

#### 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**

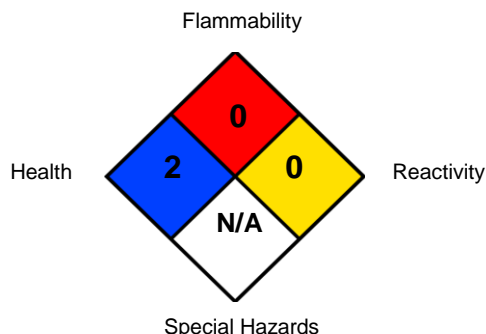
<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>1</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

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

**Section 16 – Other Information**

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

**NFPA:**



Prepared By: Research Department, U.S.A.  
Telephone: (973) 347-1200

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. **VENDOR SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** In no event shall the vendor be liable for special, indirect or consequential damages.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes all risks in his use of the material.

