

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/22/2017

Reviewed on 06/22/2017

* 1 Identification

- **Product Identifier**
- **Trade name: Spectrum Acrylic and Elastomeric Coatings**
- **Relevant identified uses of the substance or mixture and uses advised against:**
Weather resistant exterior wall coating.
- **Product Description** Spectrum Acrylic and Elastomeric Coatings is a white, water-based acrylic coating.
- **Application of the substance / the mixture:**
Paint: Apply two coats with a wet thickness. May be brushed, rolled or sprayed in an even coat maintaining a wet edge.
Textures: Apply with a stainless steel trowel to a thickness of the largest aggregate.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
AHI Supply, LP.
2800 N Gordon
Alvin, TX 77511
Corp. 281-388-4500
Fax 281-331-9813
www.ahi-supply.com
- **Emergency telephone number:** CHEMTREC, USA: (800) 424 9300

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS08 Health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements:**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS07 GHS08

- **Signal word:** Warning

- **Hazard-determining components of labeling:**

Ethylene glycol

- **Hazard statements:**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

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Trade name: Spectrum Acrylic and Elastomeric Coatings**Precautionary statements:**

- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves / eye protection / face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 Get medical advice/attention if you feel unwell.
 P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.
 14.5 % of the mixture consists of component(s) of unknown toxicity.

Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)**HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

Hazard(s) not otherwise classified (HNOC): None known

*** 3 Composition/Information on Ingredients****Non-hazardous components:**

	Acrylic Polymer	15-35%
7732-18-5	Water, distilled water, deionized water	15-35%

Chemical characterization: Mixtures

Description: Mixture: consisting of the following components.

Dangerous Components:

CAS: 1317-65-3	Calcium Carbonate	40-70%
CAS: 13463-67-7	Titanium Dioxide ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	<10%
CAS: 1332-58-7	Hydrous aluminum silicate	<5%
CAS: 1314-13-2 RTECS: ZH 4810000	Zinc Oxide ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H332	<5%
CAS: 107-21-1 RTECS: KW 2975000	Ethylene glycol ⚠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302	<2%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

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* 4 First-Aid Measures

- **Description of first aid measures:**
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Wash with soap and water.
If skin irritation occurs, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
If swallowed and symptoms occur, consult a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:** None.
- **Indication of any immediate medical attention and special treatment needed:** None.

* 5 Fire-Fighting Measures

- **Extinguishing media:**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:**
Product is not flammable, however, if product is incinerated it may release the following toxic fumes:
Aluminum, Calcium, Carbon, Silicon, Titanium and Zinc Oxides.
- **Advice for firefighters:**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

13463-67-7	Titanium Dioxide	30 ppm
1314-13-2	Zinc Oxide	30 ppm
107-21-1	Ethylene glycol	30 ppm

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· PAC-2:		
13463-67-7	Titanium Dioxide	330 mg/m3
1314-13-2	Zinc Oxide	15 mg/m3
107-21-1	Ethylene glycol	150 ppm
· PAC-3:		
13463-67-7	Titanium Dioxide	2,000 mg/m3
1314-13-2	Zinc Oxide	2,500 mg/m3
107-21-1	Ethylene glycol	900 ppm

*** 7 Handling and Storage**

- **Handling**
- **Precautions for safe handling:** Open and handle receptacle with care.
- **Information about protection against explosions and fires:** The product is not flammable.
- **Conditions for safe storage, including any incompatibilities:**
Store away from strong acids, strong bases and strong oxidizing agents.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** Industry specific application.

*** 8 Exposure Controls/Personal Protection**

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.
- **Components with occupational exposure limits:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

1317-65-3 Calcium Carbonate	
NIOSH	Short-term value: 5 mg/m ³ Long-term value: 10 mg/m ³
NIOSH TWA	Short-term value: 5 mg/m ³ Long-term value: 10 mg/m ³ respirable dust
OSHA	Short-term value: 5 mg/m ³ Long-term value: 15 mg/m ³
OSHA TWA	Short-term value: 5 mg/m ³ Long-term value: 15 mg/m ³ respirable fraction
1332-58-7 Hydrous aluminum silicate	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction

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REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; as respirable fraction
107-21-1 Ethylene glycol	
TLV	Short-term value: 10** mg/m ³ , 50* ppm Long-term value: 25* ppm *vapor fraction:**inh. fraction, aerosol only

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Safety glasses

* 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Thick Liquid

Color:

Milk-white

· **Odor:**

Slight

· **Odor threshold:**

Not determined.

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- **pH-value @ 20 °C (68 °F):** 7.5-10
- **Change in condition**
 - Melting point/Melting range:** Not determined.
 - Boiling point/Boiling range:** 100 °C (212 °F)
- **Flash point:** None
- **Flammability (solid, gaseous):** Not flammable.
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)
- **Density @ 20 °C (68 °F):** >1 g/cm³ (>8.345 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - Water:** Dispersible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** <2 %
 - Water:** 15-35 %
 - VOC content:** <2 %
- **Other information:** No further relevant information available.

* 10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** High temperatures.
- **Incompatible materials:** Strong acids, strong bases and strong oxidizing agents.
- **Hazardous decomposition products:** Aluminum, Calcium, Carbon, Silicon, Titanium and Zinc Oxides.

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Trade name: Spectrum Acrylic and Elastomeric Coatings*** 11 Toxicological Information**· **Information on toxicological effects:**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****1317-65-3 Calcium Carbonate**

Oral LD50 6,450 (Rat)

13463-67-7 Titanium Dioxide

Oral LD50 >10,000 (Rat)

Dermal LD50 >10,000 (Rabbit)

Inhalative LC50/4 h >6.82 (Rat)

1314-13-2 Zinc Oxide

Oral LD50 7,950 (Rat)

Inhalative LC50/96 hours 1.1 (Trout)
2,500 (Mouse)**107-21-1 Ethylene glycol**

Oral LD50 5,840 (Rat)

Dermal LD50 9,530 (Rabbit)

Inhalative LC50/96 hours 38.109 (Trout)

LC50/48 hrs 16.103 (Daphnia)

· **Primary irritant effect:**· **On the skin:** Causes skin irritation· **On the eye:** Irritating effect.· **Additional toxicological information:**· **Carcinogenic categories:**· **IARC (International Agency for Research on Cancer):**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

13463-67-7 Titanium Dioxide

2B

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

*** 12 Ecological Information**· **Toxicity:**· **Aquatic toxicity:****13463-67-7 Titanium Dioxide**

EC50 >1,000 (Water flea)

1314-13-2 Zinc Oxide

EC50 0.098 (Daphnia)

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Trade name: Spectrum Acrylic and Elastomeric Coatings**107-21-1 Ethylene glycol**

EC50 3.536 (Green algae)

- **Persistence and degradability:** Not readily biodegradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** Moderate potential to bioaccumulate.
- **Mobility in soil:** Moderate mobility in soil.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings**
- **Recommendation:** Packaging can be reused or recycled after cleaning.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

*** 14 Transport Information**

- **UN-Number:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

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Trade name: Spectrum Acrylic and Elastomeric Coatings**15 Regulatory Information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

1314-13-2 Zinc Oxide

107-21-1 Ethylene glycol

- **TSCA (Toxic Substances Control Act):**

1317-65-3 Calcium Carbonate

13463-67-7 Titanium Dioxide

1332-58-7 Hydrous aluminum silicate

1314-13-2 Zinc Oxide

107-21-1 Ethylene glycol

7732-18-5 Water, distilled water, deionized water

- **California Proposition 65:**

- **Chemicals known to cause cancer:**

13463-67-7 Titanium Dioxide

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

107-21-1 Ethylene glycol

- **New Jersey Right-to-Know List:**

1317-65-3 Calcium Carbonate

13463-67-7 Titanium Dioxide

1332-58-7 Hydrous aluminum silicate

1314-13-2 Zinc Oxide

107-21-1 Ethylene glycol

- **New Jersey Special Hazardous Substance List:**

None of the ingredients are listed.

- **Pennsylvania Right-to-Know List:**

1317-65-3 Calcium Carbonate

13463-67-7 Titanium Dioxide

1332-58-7 Hydrous aluminum silicate

1314-13-2 Zinc Oxide

107-21-1 Ethylene glycol

- **Pennsylvania Special Hazardous Substance List:**

1314-13-2 Zinc Oxide

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107-21-1 Ethylene glycol

E

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Trade name: Spectrum Acrylic and Elastomeric Coatings**· Carcinogenic categories:****· EPA (Environmental Protection Agency):**

1314-13-2	Zinc Oxide	D, I, II
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· TLV (Threshold Limit Value established by ACGIH):

13463-67-7	Titanium Dioxide	A4
1332-58-7	Hydrous aluminum silicate	2 mg/m3
107-21-1	Ethylene glycol	A4

· NIOSH-Ca (National Institute for Occupational Safety and Health):

13463-67-7	Titanium Dioxide
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· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:

GHS07 GHS08

· Signal word: Warning**· Hazard-determining components of labeling:**

Ethylene glycol

· Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

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· **Date of preparation / last revision:** 06/22/2017 / -

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· *** Data compared to the previous version altered.**

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