

SAFETY DATA SHEET



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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Certi-Vex Envio Cure White 1315

Other Means of Identification

SDS #:

Recommended Use: Concrete Curing Compound

Restrictions on Use: No Data

Supplier of the Safety Data Sheet including Address:

ChemMasters Inc.
300 Edwards Street
Madison, OH 44057

Telephone Numbers

Company Phone Number

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

Emergency Telephone : ChemTrec 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

Harmful if swallowed, may be harmful if inhaled, may cause respiratory irritation, causes eye irritation, may cause skin irritation.

Target Organs: Eyes, Skin, Respiratory System

GHS Classification:

Eye damage/irritation – Category 2B

Skin Irritation – Category 2

Aspiration – Category 2

Specific target organ toxicity – single exposure – Category 3

Label Elements, including precautionary statements

Pictograms: 

Signal Word: WARNING

Hazard Statements:

- H305 May be harmful if swallowed and enters airways.
- H333 May be Harmful if inhaled.
- H335 May cause respiratory irritation.
- H320 Causes eye irritation.

Precautionary Statement(s)

Prevention:

- P261 Avoid breathing fume/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.

Response:

- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P330 Rinse mouth.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice or attention.

Storage:

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Disposal:

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

Hazards not otherwise classified: may cause skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component

Alpha Methyl Styrene Polymer	CAS#: 9011-11-4	20-40%
Petroleum Light Aromatic	CAS#: 64742-95-6	10-20%
Titanium Dioxide	CAS# 13463-67-7	1-5%
Calcium Carbonate	CAS#: 1317-65-3	3-6%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If not breathing, give artificial respiration. Consult a physician.

Eye Contact: 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 or attention.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water.

Skin Contact: Wash off with soap and plenty of water. If skin irritation occurs, get medical advice or attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Material is not combustible. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for the surrounding fire.

Specific Hazards Arising from the Chemical: None Known

Hazardous Combustion Products: Carbon dioxides & Carbon monoxide

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and full protective gear for firefighting.

Further Information: See Section 7 for safe handling and storage.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Material for Containment and Cleaning Up

Dike and contain spill with inert absorbent materials. Soak up with inert material and keep in suitable, closed containers for disposal. Dispose of in accordance with specified local/regional/national/international regulations for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for Safe Storage, Including any Incompatibilities

General information: Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store this product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

Safe Storage: No Additional Data

Incompatibilities: None Known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component Exposure Limits

Petroleum Light Aromatic, CAS# 64742-95-6:

ACGIH TLV TWA: 19 ppm 8 hours

OSHA PEL: TWA 500 ppm

NIOSH REL: TWA 100 mg/m³, NIOSH Ceiling: 1800 mg/m³

Components of Petroleum Light Aromatic, CAS# 8052-41-3:

Xylenes, CAS# 1330-20-7: ACGIH TLV: TWA 100 ppm

Trimethyl Benzene (all isomers), CAS# 25551-13-7: ACGIH TLV: TWA 25 ppm

Cumene, CAS# 98-82-8: ACGIH TWA 50 ppm 8 hr.

Titanium Dioxide:

PEL 15 mg/m³ OSHA 8 hr. TWA Total Dust; TLV 10 mg/m³ ACGIH TWA

Appropriate Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Use proper protection – Safety Glasses as a minimum

Skin and Body Protection: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State

Appearance: Liquid

Color: White – Light Yellow (Dries White)

Odor: Mild Petroleum Solvent

Odor threshold: No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	1.97 mmHg@68°F/20°C	
Vapor Density	4.2 (AR100)	
Relative Density	1.046 – 1.062	
pH:	8 – 9 TYPICAL	
Melting/Freezing Point	32 Degrees F (0 Degrees C)	
Solubility	Not Available	
Evaporation Rate	Not Available	
Flash Point	>212 Degrees F (>100 Degrees C)	PMCC (D93)
Flammability Limits	LOWER: 0.9% UPPER: 6.2% (AR100)	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Relevant	
Initial Boiling Point/Boiling Range	RANGE 161-171°C / 322-340 F	
Viscosity	Not Available	
Specific Gravity	1.01	Density: 8.4 lb./gal. +/- 0.1

10. STABILITY AND REACTIVITY

Chemical Stability:

This product is chemically stable under recommended storage conditions.

Possibility of Hazardous Reactions:

None Known

Conditions to Avoid:

Keep from Freezing

Incompatible Materials:

None Known

Hazardous Decomposition Products

Carbon dioxides, Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact
(Ingestion is not a likely route of exposure under normal conditions of use.)

Symptoms of Exposure:

Respiratory, skin and eye irritation, stomach or intestinal upset

Numerical measures of toxicity:

Ingredient: Petroleum Light Aromatic:

LD50 Oral Rat: >7,000 mg/kg

LD50 Dermal Rabbit >2,000 mg/kg

LC50 Inhalation Rat 21 mg/l 1 hr.

Ingredient: Titanium Dioxide

Acute Toxicity – Oral LD50 > 5,000 mg/Kg Rat

Acute Toxicity – Dermal LD50 > 10,000 mg/Kg Rabbit

Acute Toxicity – Inhalation LC50 > 6.8 mg/l Rat

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity: IARC, ACGIH, NTP, OSHA

Product contains Naphthlene which is classified by IARC as “possibly carcinogenic to humans” (Group 2B).

Product contains Trimethylbenzene which is classified by IARC as “possibly carcinogenic to humans” (Group 2B).

Product contains Cumene which is classified by IARC as “possibly carcinogenic to humans” (Group 2B).

Product contains Titanium Dioxide which IARC has characterized as possibly carcinogenic to humans (Group 2B) through inhalation (not ingestion). It has not been characterized as a potential carcinogen by either NTP or OSHA.

Specific target organ toxicity: Single exposure – Category 3, Respiratory System,
Product may cause respiratory irritation.

Respiratory Irritation: If material is misted or sprayed, inhalation of mist may cause irritation of mucous membranes and the upper respiratory tract.

12. ECOLOGICAL INFORMATION

Eco toxicity: Not determined.

Persistence and Degradability: Not Determined.

Bioaccumulation: Not Determined.

Mobility: Not Determined.

Other Adverse Effects: Not Determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes: This product is not a hazardous waste under RCRA. Dispose of in conformance with all federal, state and local regulations.

Contaminated Packaging: Dispose of as unused material.

14. TRANSPORT INFORMATION

D.O.T.: Not Regulated

I.M.D.G.: Not Regulated
Marine Pollutant: No

I.A.T.A.: Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

US Federal Regulations

SARA 302 (Extremely Hazardous Substances): None Known

SARA 311/312 Hazard Categories: Acute Health Hazard

SARA Section 313: This product contains the following components in concentrations greater than 0.1% for carcinogenic substances and/or 1.0% of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372: **None Known**

CWA (Clean Water Act): This product contains petroleum light aromatic and may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

Supplemental State Compliance Information

California: This product contains chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

<0.1% Naphthalene, CAS# 91-20-3

<0.1% Trimethyl Benzene, CAS# 95-63-6

<0.1% Cumene, CAS# 98-82-8

Titanium Dioxide CAS# 13463-67-7. The listing for titanium dioxide is for airborne, unbound particles of respirable size and does not cover titanium dioxide when it remains within a product matrix

State Right To Know:

<u>CAS Number</u>	<u>Component Name</u>	<u>State</u>
13463-67-7	Titanium Dioxide	New Jersey, Pennsylvania, Massachusetts
8052-41-3	Petroleum Light Aromatic	New Jersey, Pennsylvania
95-63-6	1,2,4-Trimethylbenzene	New Jersey, Pennsylvania
98-82-8	Cumene	New Jersey, Pennsylvania
91-20-3	Naphthalene	New Jersey, Illinois, Minnesota, Pennsylvania, Rhode Island, New York, Massachusetts.

16. OTHER INFORMATION

HMIS Classification:

Health hazard: 1
Flammability: 0
Physical Hazards: 0

NFPA Rating:

Health hazard: 1
Fire: 0
Reactivity Hazard: 0

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet