

**1. Product and company Identification**

**Product Name** : **VERSATEX FIXER**  
**Product Code Number** : VFI0000, VFI1000, VFI2000, VFI3000  
**Date** : June 6, 2015  
**Synonyms** : Waterbase polycarbodiimide functional crosslinking agent  
**Product Use** : Coating  
**Supplier** : **Rupert, Gibbon & Spider, Inc.**  
**Address** : **1147 Healdsburg Ave., Healdsburg, CA 95448 USA**  
**General Information** : **1-800-442-0455**  
**Emergency Contact Number** : CHEMTREC (24HR Emergency Telephone), call 1-800-424-9300  
 International CHEMTREC, call 1-707-527-3887. For non-emergency assistance, call: 1-800-442-0455

**2. Hazardous identification****GHS Classification:**

Health	Environmental	Physical
Skin corrosion/irritation- Category 3 Skin sensitization- Category 1	Classification not possible	Not Classified

**GHS Label:****Signal Word**

- Warning

**Hazard Statements**

- Slight skin irritation.
- Prolonged skin contact may cause allergic skin reaction.

**Precautionary Statements**

[Safety measures]

- Do not handle till you read and understand all security attention.
- Keep in closed containers.
- Do not breathe vapor, mist, spray.
- Use only in well-ventilated areas.
- Avoid release to the environment.
- When using, do not eat, drink or smoke.
- Wear suitable protective clothing, gloves and eye/face protector.
- Wash protector thoroughly after handling.
- Wash hands thoroughly after handling.
- Do not take out the polluted work clothes from the workplace.
- Launder the polluted work clothes before re-use.

[First-aid measures]

- In case of accident by inhalation: Remove casualty to fresh air and keep at rest. Get immediate medical attention
- In case of swallowing: Take two glasses of water or milk to induce vomiting if have a clear sensorium> Get immediate medical attention.
- In case of contact with eyes: rinse immediately with plenty of water for at least 15 minutes and seek medical advice.
- In case of accident by contact with skin: take off immediately the polluted clothes and wash immediately with plenty of water and soap.
- In case of irritation to skin and develop a rash, seek medical advice.

[Handling and storage]

- Keep container tightly closed and in normal condition

[Disposal considerations]

- Disposal content and the container comply with laws and regulations appropriately.

### 3. Composition / Information on Ingredients

**Chemical characterization: Multifunctional polycarbodiimide water emulsion**

<i>Component</i>	<i>Wt %</i>	<i>CAS No.</i>
Multifunctional polycarbodiimide	13.5%	Trade Secret
Water	86.5%	7732-18-5

### 4. First Aid Measures

**Take off immediately all polluted clothes.**

**In case of having a headache and coughing, pain in the throat, nausea, seek medical advice.**

**Skin contact**

Take off immediately all polluted clothes. Wash exposed area with soap and a large amount of water. In case of irritation to skin and development of a rash, seek medical advice. Wash hands thoroughly after handling

**Eye contact**

Immediately flush with large amount of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention.

**Inhalation (breathing)**

If affected, move to fresh air. Take a rest with the posture that is easy to breathe. In case of breathing has stopped or labored, establish an airway and give rescue breathing. Cover a body with blankets and keep it warm and keep a rest. Get immediate medical attention.

**Ingestion (swallowing)**

Gargle with water and then take two glasses of water or milk to induce vomiting if have a clear sensorium. Get immediate medical attention.

In case of affected person is unconscious, don't give any drink.

### 5. Fire Fighting Measures

**Suitable extinguishing Media :**

Fire-extinguishing powder, AFFF (Aqueous film-forming foam fire extinguishing), fire-extinguishing foam, Carbon dioxide gas, water spray.

**Specific danger hazardous property :**

The combustion product gas contains hazardous gas for example NOx-gas and carbon monoxide. Under special fire conditions, there is a possibility that emit toxically gas.

**Specific fire extinguishing method :**

In case of a fire around product, move the container away from ignition sources. If it is impossible to move, cool the container and surroundings by cold water.

**Case of ignite :**

Fire- extinguishing powder, carbon dioxide gas, and dry sand, are used for initial fire.

In case of massive fire, it is effective to intercept air with such as foam fire-extinguisher.

**Fire Fighting Equipment :**

Wear full protective clothing and self-contained breathing apparatus.

### 6: Accidental Release Measures

**Personal precautions :**

Wear appropriate protective equipment and leaking liquid doesn't adhere to the skin.

**Environmental precautions :**

Prevent entry of spilled content into a river or a waterway.

In case of make a dilution in enormous amount water, take care for not to flow out into the environment without being properly handled.

**Methods for recovery and neutralize :**

Intercept leakage source and stop a leak. For small amount, recover the liquid for container tightly closed by absorbed dry sand, soil, and sawdust, rag. For large amount, intercept leakage source and stop a leak by embankment and lead it to the safe place and recovery.

**Prevention of second disaster :**

Remove inflammables. Only authorized people can enter by stretching a rope around the leaking place. Prepare appropriate fire extinguishing agent.

## 7. Handling and Storage

**Handling :**

Wear appropriate protective equipment for avoid contact with skin, and avoid inhalation of vapors and mist. In case of it may inhale vapors and mist, wear appropriate protective equipment and perform the ventilation of the work place enough. Wash hands thoroughly after handling.

**Storage :**

Keep container tightly closed and in normal conditions.

Do not let get in touch with active hydrogen-containing compounds, such as carboxylic acids, amines and alcohols.

## 8. Exposure Controls / Personal Protection

**Acceptable concentration :** N/A

**Standard control concentration :** N/A

**Equipment countermeasure :**

Provide sufficient ventilation in case of it may inhale vapors and mist.

Eye wash fountains and safety showers must be easily accessible from handling place.

**Respiratory Protection :**

In case of it may inhale vapors, wear a vapor respirator.

**Skin Protection :**

Wear impervious protective gloves and boots such as polyethylene or certain synthetic rubbers.

**Eye Protection :**

Chemical splash goggles in compliance with OSHA regulations and full face-shield are advised.

**Clothing :**

Wear appropriate long-sleeved clothing.

## 9. Physical and Chemical Properties

Appearance

Form

: Liquid

Color

: Milky-white

Odor

: Slight amine odor

Boiling Point/Boiling Range

: N/A

Melting Point/Melting Range

: N/A

Flash Point

: It can not be measured because it is an aqueous solution

Ignition Point

: N/A

Decomposition Temperature

: N/A

Explosion Property

: N/A

Vapor Pressure

: N/A

Liquid Density

: 1.03 (20°C)

Solubility : It is possible to mix with water very well.  
Octanol-water partition coefficient : N/A  
pH : 8 -11

## 10. Stability and Reactivity

**Stability** : Stable under normal conditions( temp.25°C).

**Reactivity** :  
This product reacts with active hydrogen-containing compounds, such as carboxylic acids, amines and alcohols.

**Conditions to Avoid** :  
Store at high temperature and under the direct rays of the sun. Contact with mixed hazardous substance.

**Mixed hazardous substance** : Dangerous when wet. Oxidant.

### Hazardous Decomposition Products :

In the combustion product gas contains hazardous gas for example NOx-gas, carbon monoxide and carbon dioxide.

## 11. Toxicological Information

### Acute toxicity :

Acute Oral Toxicity Study In Rat : N/A

### Skin and Eye Irritation Data :

Acute Dermal Irritation/Corrosion Study In Rabbits : Slightly Irritant (Category 3)

Negative (Human skin 48hr)

Acute Eye Irritation : N/A

### Respiratory Sensitization / Skin Sensitization :

Respiratory Sensitization : N/A

Skin Sensitization : Category 1 (OECD No.429, Local Lymph Node Assay)

### Germ cell mutagenicity : Negative (Ames Test)

**Carcinogenicity** : NTP none, IARC Monographs none

**Reproductive toxicity** : N/A

**Specific target organ systemic toxicity-Single exposure** : N/A

**Specific target organ systemic toxicity-Repeated exposure** : N/A

**Aspiration hazards** : N/A

## 12. Ecological Information

Soil Broadcast : N/A

Ecological toxicity : N/A

Bioaccumulation potential : N/A

Degradability : N/A

## 13. Disposal Considerations

Follow all regulations in local, Federal law. This material may be burned in a chemical incinerator equipped with an after-burner and scrubber. Do not dump into sewers, on the ground or into any body of water

**14. Transport Information**

**United Nations Classification** : Not applicable  
**United Nations Dangerous Goods Number** : Not applicable  
**APR-600 is not regulated by USA DOT.**

Do not transport under the direct rays of the sun. Ascertain that containers are closed tight to prevent accidental release.

Handle with care.

**15. Regulatory Information****U.S. Federal Regulations**

**Toxic Substances Control Act (TSCA):** All components of this product are included on the TSCA inventory.

**SARA 313 Regulated Chemical(s)**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

**16. Other Information**

The Hazardous Rating

**Health** : 1  
**Flammability** : 0  
**Reactivity** : 0

KEY : 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme

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