

## Safety Data Sheet

### POLYCHEM VRC

Safety Data Sheet dated: 5/25/2015 - version 1

Date of first edition: 5/25/2015

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: POLYCHEM VRC

### Recommended use of the chemical and restrictions on use

Recommended use: Admixture for concrete

Restrictions on use: N.A.

### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: General Resource Technology

2978 Center Court

55121 - Eagan - MN - USA

Phone: 651-454-4151

### Emergency 24 hour numbers:

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION



### Classification of the chemical

#### Classification of the chemical

Skin Corr. 1A Causes severe skin burns and eye damage.

Eye Dam. 1 Causes serious eye damage.

### Label elements

#### Symbols:



Danger

Code	Description
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H314	Causes severe skin burns and eye damage.
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H318	Causes serious eye damage.
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Code	Description
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P260.1	Do not breathe mist/vapours/spray.
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P264.1	Wash hands thoroughly after handling.
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P280	Wear protective gloves/protective clothing/eye protection/face protection.
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P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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P303+P361+P353.1	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
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P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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P310.A	Immediately call a POISON CENTER.
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P321.A	Specific treatment (see supplementary instructions on this label)
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P363	Wash contaminated clothing before reuse.
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P405	Store locked up.
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P501.A	Dispose of contents/container in accordance with applicable regulations.
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### Ingredient(s) with unknown acute toxicity:

None

### Hazards not otherwise classified identified during the classification process:

None

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

N.A.

#### Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

None

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### 4. FIRST AID MEASURES

#### Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.  
OBTAIN IMMEDIATE MEDICAL ATTENTION.  
Remove contaminated clothing immediately and dispose off safely.  
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.  
Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

#### Most important symptoms/effects, acute and delayed

Eye irritation  
Eye damages  
Skin Irritation  
Erythema

#### Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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### 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

Suitable extinguishing media:

Water.  
Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media:

None in particular.

#### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.  
Hazardous combustion products: N.A.  
Explosive properties: N.A.  
Oxidizing properties: N.A.

#### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.  
Remove persons to safety.  
See protective measures under point 7 and 8.

#### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand  
Wash with plenty of water.

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### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

**Conditions for safe storage, including any incompatibilities**

Storage temperature: N.A.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

No Data Available

Appropriate engineering controls: N.A.

### Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: dark green

Odour: N.A.

Odour threshold: N.A.

pH: 12.00

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: N.A.

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: 1.06 g/cm<sup>3</sup>

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

Solid/gas flammability: N.A.

### Other information

Substance Groups relevant properties N.A.

Miscibility: N.A.

Fat Solubility: N.A.

Conductivity: N.A.

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## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Data not Available.

### Possibility of hazardous reactions

None.

**Conditions to avoid**

Stable under normal conditions.

**Incompatible materials**

None in particular.

**Hazardous decomposition products**

None.

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**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Toxicological information of the mixture:**

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

**Toxicological information on main components of the mixture:**

SODIUM HYDROXIDE	e) germ cell mutagenicity	Mutagenesis Intraperitoneal Mouse Negative
	a) acute toxicity	LD50 Oral Rabbit 325mg/kg
		LD50 Skin Rabbit 1350mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

**Substance(s) listed on the IARC Monographs:**

None

**Substance(s) listed as OSHA Carcinogen(s):**

None

**Substance(s) listed as NIOSH Carcinogen(s):**

None

**Substance(s) listed on the NTP report on Carcinogens:**

None

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**12. ECOLOGICAL INFORMATION****Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of Eco-Toxicological properties of the product**

No Data Available

**Persistence and degradability**

N.A.

**Bioaccumulative potential**

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

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**13. DISPOSAL CONSIDERATIONS**

## Waste treatment methods

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

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## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### UN number

ADR-UN number: N.A.  
DOT-UN Number: N.A.  
IATA-Un number: N.A.  
IMDG-Un number: N.A.

### UN proper shipping name

ADR-Shipping Name: N.A.  
DOT-Proper Shipping Name: N.A.  
IATA-Technical name: N.A.  
IMDG-Technical name: N.A.

### Transport hazard class(es)

ADR-Class: N.A.  
DOT-Hazard Class: N.A.  
IATA-Class: N.A.  
IMDG-Class: N.A.

### Packing group

ADR-Packing Group: N.A.  
DOT-Packing group: N.A.  
IATA-Packing group: N.A.  
IMDG-Packing group: N.A.

### Environmental hazards

Marine pollutant: No  
Environmental Pollutant: N.A.

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

### Special precautions

Department of Transportation (DOT):

N.A.

Road and Rail (ADR-RID):

N.A.

Air (IATA):

N.A.

Sea (IMDG):

N.A.

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## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

TSCA inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

no substances listed

#### SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

no substances listed

Section 304 - Hazardous substances:

no substances listed

Section 313 - Toxic chemical list:

no substances listed

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

no substances listed

#### CAA - Clean Air Act

##### CAA listed substances:

no substances listed

#### CWA - Clean Water Act

##### CWA listed substances:

no substances listed

#### USA - State specific regulations

##### California Proposition 65

##### Substance(s) listed under California Proposition 65:

no substances listed

##### Massachusetts Right to know

##### Substance(s) listed under Massachusetts Right to know:

no substances listed

##### Pennsylvania Right to know

##### Substance(s) listed under Pennsylvania Right to know:

no substances listed

##### New Jersey Right to know

##### Substance(s) listed under New Jersey Right to know:

no substances listed

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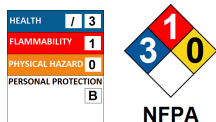
## 16. OTHER INFORMATION

Code	Description
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

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Product code: 9022155

#### Additional classification information



HMIS Health: 3 = Serious

HMIS Health - Is health hazard chronic?: No

HMIS Flammability: 1 = Combustible if heated

HMIS Reactivity: 0 = Minimal

HMIS P.P.E.: Safety glasses, gloves

NFPA Health: 3 = Serious

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = Minimal

NFPA Special Risk: NONE

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

#### Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
CLP: Classification, Labeling, Packaging.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
INCI: International Nomenclature of Cosmetic Ingredients.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
DNEL: Derived No Effect Level.  
PNEC: Predicted No Effect Concentration.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
WGK: German Water Hazard Class.  
KSt: Explosion coefficient.