

## Safety Data Sheet

### POLYCHEM 400NC

Safety Data Sheet dated: 5/8/2015 - version 1

Date of first edition: 5/8/2015

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: POLYCHEM 400NC

### 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

### 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

STOT RE 2 May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

### Label elements

Labels:



Warning

Code	Description
H373.G	May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

Code	Description
P260.1	Do not breathe mist/vapours/spray.
P314	Get medical advice/attention if you feel unwell.
P501.A	Dispose of contents/container in accordance with applicable regulations.

### Ingredient(s) with unknown acute toxicity:

None

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

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

N.A.

### Mixtures

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

### List of components

Quantity	Name	Ident. Numb.	Classification
	TRIETHANOLAMINE	CAS:102-71-6	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT RE 2, H373

## 4. FIRST AID MEASURES

### Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

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

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

N.A.

**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).

---

**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.

---

**6. ACCIDENTAL RELEASE MEASURES**

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

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

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.

---

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

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.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

List of components with OEL value

Component	OEL Type	Country	Celling	Long Term mg/m <sup>3</sup>	Long Term ppm	Short Term mg/m <sup>3</sup>	Short Term ppm	Behaviour	Note
TRIETHANOLAMINE	ACGIH			5					eye and skin irritation;

Appropriate engineering controls: N.A.

**Individual protection measures**

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

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.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: dark brown

Odour: N.A.

Odour threshold: N.A.

pH: 8.00

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: 1.20 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.

---

## 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.

### Compatible materials

None in particular.

### Hazardous decomposition products

None.

---

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects



IATA-Un number: N.A.

IMDG-Un number: N.A.

**UN proper shipping name**

**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.

---

**15. REGULATORY INFORMATION**

**- Federal regulations**

**TSCA - Toxic Substances Control Act**

TSCA inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

TRIETHANOLAMINE is listed in TSCA Section 8b

**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:

TRIETHANOLAMINE is listed in CAA Section 112(b) - HON

**CWA - Clean Water Act**

CWA listed substances:

no substances listed

**USA - State specific regulations**

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

no substances listed

**Massachusetts Right to know**

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

TRIETHANOLAMINE

**Pennsylvania Right to know**

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

TRIETHANOLAMINE

**New Jersey Right to know**

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

TRIETHANOLAMINE

---

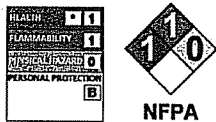
**16. OTHER INFORMATION**

Code	Description
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H373.G	May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

Safety Data Sheet dated: 5/8/2015 - version 1

Product code: 9022181

**Additional classification information**



HMIS Health: 1 = SLIGHT

HMIS Health - Is health hazard chronic?: Yes

HMIS Flammability: 1 = Combustible if heated

HMIS Reactivity: 0 = MINIMAL

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

NFPA Health: 1 = SLIGHT

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = MINIMAL

NFPA Special Risk: N.A.

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.

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.