1 Identification

Product identifier

Trade name: TYTRON® (CT-394)

SDS ID Number: 56755

Relevant identified uses of the substance or mixture, and uses advised against
Specialty construction product. Not intended for other uses

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:
Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Hazard(s) identification

Classification of the substance or mixture
The product is not classified according to the Globally Harmonized System (GHS).

Label elements:

Hazard pictograms Not applicable.
Not applicable.

Hazard statements Not applicable.

NFPA ratings (scale 0 - 4)

Health = 1
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 1
Flammability = 1
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
Trade name: TYTRON® (CT-394)

vPvB: Not applicable.

### 3 Composition/information on ingredients

**Chemical characterization:** Mixtures

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>3.0-5.0%</td>
</tr>
<tr>
<td>9004-82-4 Lauryl ether sulfate, sodium salt</td>
<td>1.0-3.0%</td>
</tr>
<tr>
<td>122-20-3 Triisopropanolamine</td>
<td>1.0-3.0%</td>
</tr>
<tr>
<td>14960-06-6 Sodium lauryliminodipropionate</td>
<td>1.0-3.0%</td>
</tr>
</tbody>
</table>

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First-aid measures

**Description of first aid measures**

**General information:** Get medical advice/attention if you feel unwell.

**After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse cautiously with water for several minutes.

**After swallowing:** If symptoms persist consult doctor.

**Information for doctor:**

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

### 5 Fire-fighting measures

**Special hazards arising from the substance or mixture** No further relevant information available.

**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.

**Methods and material for containment and cleaning up:**
Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

**Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
7 Handling and storage

Handling:

Precautions for safe handling
Avoid contact with eyes, skin and clothing.
Do not take internally.
Practice good personal hygiene to avoid ingestion.
Use only with adequate ventilation.
Wash clothing before reuse.
FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>TLV (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>Long-term value: 5 mg/m³</td>
</tr>
</tbody>
</table>

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Rubber or other impervious gloves should be worn to prevent skin contact.
Eye protection:

Safety glasses with side shield protection.

A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td>Form: Liquid</td>
</tr>
<tr>
<td>Color: According to product specification</td>
</tr>
<tr>
<td>Odor: Characteristic</td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
</tr>
<tr>
<td><strong>pH-value (~):</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
</tr>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: 94 °C (201 °F)</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Auto igniting:</strong> Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong> Product does not present an explosion hazard.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
</tr>
<tr>
<td>Lower: Not determined.</td>
</tr>
<tr>
<td>Upper: Not determined.</td>
</tr>
<tr>
<td>VOC Content (max): Not determined.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Density:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Relative density</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Vapor density</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with</strong> Not miscible or difficult to mix.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
</tr>
<tr>
<td>Dynamic: Not determined.</td>
</tr>
<tr>
<td>Kinematic: Not determined.</td>
</tr>
<tr>
<td>Molecular weight Not applicable.</td>
</tr>
</tbody>
</table>
10 Stability and reactivity

**Reactivity** Stable under normal conditions.

**Chemical stability**

**Thermal decomposition:** No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide.

11 Toxicological information

**Information on toxicological effects**

**Acute toxicity:**

| LD/LC50 values relevant for classification: |  
|-----------------------------------------|--------------------------------------------------|
| 102-71-6 Triethanolamine |                                  |
| Oral | LD50 5300 mg/kg (guinea pig) |
|      | LD50 6400 mg/kg (rat - male) |
| Dermal | LD50 >10000 mg/kg (rabbit) |
|      | LC50, 96h 11800 mg/l (fish) |

**Primary irritant effect:**

- **on the skin:** No irritating effect expected
- **on the eye:** No irritating effect expected
- **inhalation:** No irritating effect expected

**Additional toxicological information:**

| 102-71-6 Triethanolamine |  
|---------------------------|--------------------------------------------------|
| NOEC/NOEL 16 mg/l (crustaceans) (Chronic NOEC) |  

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer) Human Carcinogenicity:**

- Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

| 102-71-6 Triethanolamine |  
|---------------------------|--------------------------------------------------|
|                           | 3 |

**NTP (National Toxicology Program)**

- **K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients is listed.

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

None of the ingredients is listed.
12 Ecological information

Toxicity
Aquatic toxicity:

102-71-6 Triethanolamine

EC50, 72h 512 mg/l (algae)
EC50, 48h 609.88 mg/l (daphnia magna)

Persistence and degradability  No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential  No further relevant information available.
Mobility in soil  No further relevant information available.

Additional ecological information:

General notes: Not known to be hazardous to water.

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.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Environmental hazards:  Not applicable.

Special precautions for user  Not applicable.

15 Regulatory information

SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

None of the ingredients is listed.

SARA Section 312/Tier I & II Hazard Categories:

Health Immediate (acute)  No
Trade name: **TYTRON® (CT-394)**

Health Immediate (acute) Yes
Health Delayed (chronic) No
Flammable No
Reactive No
Pressure No

**North America Chemical Inventory Status**

| TSCA (Toxic Substances Control Act - United States): | All ingredients are listed or exempt from listing unless otherwise noted below. |
| CEPA (Canadian DSL): | All ingredients are listed or exempt from listing unless otherwise noted below. |

**Right to Know Ingredient Disclosure:**

| 57-50-1 | Sucrose |
| 7732-18-5 | Water |

**California Proposition 65**

**Chemicals known to cause cancer:**

- Formaldehyde
- 1,4-dioxane
- propylene oxide
- Ethylene oxide

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

- 75-21-8 Ethylene oxide

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

- 75-21-8 Ethylene oxide

**Chemicals known to cause developmental toxicity:**

- 67-56-1 Methanol
- 75-21-8 Ethylene oxide

**Carcinogenicity Categories**

- **EPA (Environmental Protection Agency):** None of the ingredients is listed.
- **TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists):**
  - Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable
  - Sucrose A4
  - Triethanolamine A3
- **NIOSH-Cancer (National Institute for Occupational Safety and Health):** None of the ingredients is listed.

**Volatile Organic Compounds (VOC) reported per the Emission Standards.**

If no g/L value is provided this product is not subject to above standard.

**16 Other information**

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

**Department issuing SDS:**

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA
USA: +1-617-876-1400 (24 hours)
Trade name: **TYTRON® (CT-394)**

+1-800-354-5414

Date of preparation / last revision 06/24/2016 / -

The first date of preparation 06/24/2016

Number of revision times and the latest revision date 1.0 / 06/24/2016