

Safety Data Sheet

Printing date 06/24/2016

Version Number 1.0

Reviewed on 06/24/2016

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 Health = 1
FIRE 1 Flammability = 1
REACTIVITY 0 Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

Safety Data Sheet

Printing date 06/24/2016

Version Number 1.0

Reviewed on 06/24/2016

Trade name: **TYTRON® (CT-394)**

vPvB: Not applicable.

(Cont. from page 1)

3 Composition/information on ingredients**Chemical characterization: Mixtures****Hazardous components:**

| | | |
|------------|-----------------------------------|----------|
| 102-71-6 | Triethanolamine | 3.0-5.0% |
| 9004-82-4 | Lauryl ether sulfate, sodium salt | 1.0-3.0% |
| 122-20-3 | Triisopropanolamine | 1.0-3.0% |
| 14960-06-6 | Sodium lauryliminodipropionate | 1.0-3.0% |

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.

(Cont. on page 3)

USGHS

Safety Data Sheet

Printing date 06/24/2016

Version Number 1.0

Reviewed on 06/24/2016

Trade name: **TYTRON® (CT-394)**

(Cont. from page 2)

See Section 13 for disposal information.

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:****102-71-6 Triethanolamine**TLV (USA) Long-term value: 5 mg/m³**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.(Cont. on page 4)
USGHS

Safety Data Sheet

Printing date 06/24/2016

Version Number 1.0

Reviewed on 06/24/2016

Trade name: **TYTRON® (CT-394)**

(Cont. from page 3)

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**Information on basic physical and chemical properties****General Information****Appearance:**

| | |
|------------------------|------------------------------------|
| Form: | Liquid |
| Color: | According to product specification |
| Odor: | Characteristic |
| Odor threshold: | Not determined. |

pH-value (~): Not determined.

Change in condition

| | |
|-------------------------------------|----------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | Undetermined. |
| Flash point: | 94 °C (201 °F) |

Flammability (solid, gaseous): Not applicable.

| | |
|-----------------------------------|---|
| Decomposition temperature: | Not determined. |
| Auto igniting: | Product is not selfigniting. |
| Danger of explosion: | Product does not present an explosion hazard. |

Explosion limits:

| | |
|---------------------------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |
| VOC Content (max): | Not determined. |

| | |
|-------------------------|-----------------|
| Vapor pressure: | Not determined. |
| Density: (~) | Not determined. |
| Relative density | Not determined. |
| Vapor density | Not determined. |
| Evaporation rate | Not determined. |

Solubility in / Miscibility with Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

| | |
|-------------------------|-----------------|
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| Molecular weight | Not applicable. |

(Cont. on page 5)

USGHS

Safety Data Sheet

Printing date 06/24/2016

Version Number 1.0

Reviewed on 06/24/2016

Trade name: **TYTRON® (CT-394)**

(Cont. from page 4)

Other information

No further relevant information available.

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) 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.

USGHS

(Cont. on page 6)

Safety Data Sheet

Printing date 06/24/2016

Version Number 1.0

Reviewed on 06/24/2016

Trade name: **TYTRON® (CT-394)**

(Cont. from page 5)

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

(Cont. on page 7)

USGHS

Safety Data Sheet

Printing date 06/24/2016

Version Number 1.0

Reviewed on 06/24/2016

Trade name: **TYTRON® (CT-394)**

(Cont. from page 6)

| | |
|--------------------------|-----|
| 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)

(Cont. on page 8)

USGHS

Safety Data Sheet

Printing date 06/24/2016

Version Number 1.0

Reviewed on 06/24/2016

Trade name: TYTRON® (CT-394)

+1-800-354-5414

(Cont. from page 7)

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

USGHS