

## Safety Data Sheet

Printing date 03/30/2016

Version Number 1.0

Reviewed on 03/30/2016

### 1 Identification

#### Product identifier

Trade name: *Tytron S (CT-631)*

SDS ID Number: 56769

**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

Causes serious eye irritation.

**Label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS)

#### Hazard pictograms



GHS07

Warning

#### Hazard statements

Causes serious eye irritation.

#### Precautionary statements

Wash thoroughly after handling.

Wear eye protection / face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

(Cont. on page 2)

USGHS

## Safety Data Sheet

Printing date 03/30/2016

Version Number 1.0

Reviewed on 03/30/2016

Trade name: *Tytron S (CT-631)*

## NFPA ratings (scale 0 - 4)

(Cont. from page 1)



Health = 1  
 Fire = 1  
 Reactivity = 0

## HMIS-ratings (scale 0 - 4)



Health = 2  
 Flammability = 1  
 Reactivity = 0

## Other hazards

## Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## 3 Composition/information on ingredients

## Chemical characterization: Mixtures

Description: Mixture of the substances listed below with additional nonhazardous ingredients.

## Hazardous components:

102-71-6	Triethanolamine	10-20%
122-20-3	Triisopropanolamine	5-10%
14960-06-6	Sodium lauryliminodipropionate	3.0-5.0%
9004-82-4	Lauryl ether sulfate, sodium salt	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: Rinse mouth.

## Information for doctor:

Most important symptoms and effects, both acute and delayed Irritating to eyes.

## 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.

(Cont. on page 3)

USGHS

## Safety Data Sheet

Printing date 03/30/2016

Version Number 1.0

Reviewed on 03/30/2016

Trade name: *Tytron S (CT-631)*

(Cont. from page 2)

**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.

Dispose contaminated material as waste according to section 13 of the SDS.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****Handling:****Precautions for safe handling**

Prevent formation of aerosols.

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.

Avoid contact with eyes.

**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/m<sup>3</sup>**Additional information:** The lists that were valid during the creation were used as basis.

(Cont. on page 4)

USGHS

## Safety Data Sheet

Printing date 03/30/2016

Version Number 1.0

Reviewed on 03/30/2016

Trade name: *Tytron S (CT-631)*

(Cont. from page 3)

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

<b>Form:</b>	Liquid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not determined.

**pH-value (~):** Not determined.

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
<b>Flash point:</b>	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:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

(Cont. on page 5)

USGHS

## Safety Data Sheet

Printing date 03/30/2016

Version Number 1.0

Reviewed on 03/30/2016

Trade name: *Tytron S (CT-631)*

(Cont. from page 4)

<b>Vapor pressure:</b>	Not determined.
<b>Density: (~)</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapor density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.

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

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

<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Molecular weight</b>	Not applicable.

**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.

**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:** Causes serious eye irritation.

**inhalation:** No irritating effect expected

**Additional toxicological information:**

#### 102-71-6 Triethanolamine

NOEC/NOEL 16 mg/l (crustaceans) (Chronic NOEC)

(Cont. on page 6)

USGHS

## Safety Data Sheet

Printing date 03/30/2016

Version Number 1.0

Reviewed on 03/30/2016

Trade name: *Tytron S (CT-631)*

(Cont. from page 5)

**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
111-42-2	Diethanolamine	2B

**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.

## Safety Data Sheet

Printing date 03/30/2016

Version Number 1.0

Reviewed on 03/30/2016

Trade name: *Tytron S (CT-631)*

(Cont. from page 6)

**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)	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**

Triethanolamine	A3
Sucrose	A4

(Cont. on page 8)

USGHS

## Safety Data Sheet

Printing date 03/30/2016

Version Number 1.0

Reviewed on 03/30/2016

**Trade name: Tytron S (CT-631)**

(Cont. from page 7)

**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)  
+1-800-354-5414

**Date of preparation / last revision** 03/30/2016 / -**The first date of preparation** 03/30/2016**Number of revision times and the latest revision date** 1.0 / 03/30/2016

USGHS