# Identification

**Product identifier**

- **Trade name:** Tytron P 280  
- **SDS ID Number:** 56759

**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)  
Email address: msds.gcp@gcpat.com

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

# Hazard(s) identification

**Classification of the substance or mixture**

Causes skin irritation.  
Causes serious eye irritation.  
May cause damage to organs through prolonged or repeated exposure.

**Label elements:**

**Hazard pictograms**

[![Hazard pictogram](image)](image)  
GHS07  
GHS08

**Warning**

**Hazard statements**

Causes skin irritation.  
Causes serious eye irritation.  
May cause damage to organs through prolonged or repeated exposure.

**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 ON SKIN: Wash with plenty of water.  
If eye irritation persists: Get medical advice/attention.  
If skin irritation occurs: Get medical advice/attention.  
Get medical advice/attention if you feel unwell.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
Trade name: Tytron P 280

NFPA ratings (scale 0 - 4)

Health = 2
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: Mixture

Description: Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-45-9 Nonylphenol ethoxylate</td>
<td>10-20%</td>
</tr>
<tr>
<td>111-46-6 Diethylene glycol</td>
<td>5.0-10.0%</td>
</tr>
<tr>
<td>122-20-3 Triisopropanolamine</td>
<td>2.0-5.0%</td>
</tr>
</tbody>
</table>

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:
Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

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

After swallowing:
Rinse mouth.
Do NOT induce vomiting.

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.
Sweep up spilled product into receptacles.
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: No special precautions are necessary if used correctly.

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

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-46-6 Diethylene glycol</td>
</tr>
</tbody>
</table>

| WEEL (USA) | Long-term value: 10 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:
Respiratory protection is not normally required. However, a chemical cartridge respirator with organic vapor cartridge and a prefilter for dusts/mists is required at or above the applicable exposure limits (consult exposure guidelines). If no limits exist, use an approved respirator whenever a vapor or mist is generated or if respiratory irritation occurs. Supplied air respirator (SCBA) is required at exposure levels above the capabilities of a chemical cartridge respirator.

Protection of hands: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Eye protection:
Safety glasses with side shield protection.
Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.

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.

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**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> Liquid</td>
</tr>
<tr>
<td><strong>Form:</strong> Liquid</td>
</tr>
<tr>
<td><strong>Color:</strong> According to product specification</td>
</tr>
<tr>
<td><strong>Odor:</strong> Characteristic</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>pH-value (~) at 20 °C (68 °F):</strong> 10</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
</tr>
<tr>
<td><strong>Melting point/Melting range:</strong> Undetermined.</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong> &gt; 100 °C (&gt; 212 °F)</td>
</tr>
<tr>
<td><strong>Flash point:</strong> &gt; 93 °C (&gt; 199 °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><strong>Lower:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Upper:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>VOC Content (max):</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Density (~) at 20 °C (68 °F)</strong> 1.1 g/cm³ (9.18 lbs/gal)</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 Water:</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><strong>Dynamic:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Kinematic:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Molecular weight</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Other information</strong> No further relevant information available.</td>
</tr>
</tbody>
</table>

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**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 further relevant information available.

**Conditions to avoid** No further relevant information available.
Trade name: Tytron P 280

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

Additional information: See section 7 for information on handling, storage and conditions to be avoided.

11 Toxicological information

Delayed and immediate effects and chronic effects from short or long term exposure
May cause damage to organs through prolonged or repeated exposure.

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:
- 61790-12-3 Tall oil fatty acids
  Dermal LD50 > 2000 mg/kg (rat)
- 111-46-6 Diethylene glycol
  Oral LD50 1120 mg/kg (human)

Primary irritant effect:
- on the skin:
  May cause sensitization by skin contact.
Causes skin irritation.
- on the eye:
  Causes serious eye irritation.
- inhalation:
  No irritating effect expected
- ingestion:
  May cause damage to organs through prolonged or repeated exposure.

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity:
- Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable
  None of the ingredients is listed.

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: No further relevant information available.

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.
Trade name: Tyron P 280

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods: Comply with Federal, State and local regulations.
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

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, IMDG, IATA</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Class</td>
<td>Not applicable.</td>
<td></td>
</tr>
<tr>
<td>Packing group</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Environmental hazards:</td>
<td>Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not applicable.</td>
<td></td>
</tr>
<tr>
<td>Transport/Additional information:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOT</td>
<td>Remarks:</td>
<td>Not Regulated.</td>
</tr>
<tr>
<td>UN &quot;Model Regulation&quot;:</td>
<td>Not applicable.</td>
<td></td>
</tr>
</tbody>
</table>

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 Hazard - Skin Corrosion or Irritation
Health Hazard - Serious eye damage or eye irritation
Health Hazard - Specific target organ toxicity (single or repeated exposure)

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.
California Proposition 65

Chemicals known to cause cancer:
- Ethylene oxide
- Propylene oxide
- 1,4-dioxane

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:
- 107-21-1 Ethylene glycol
- 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
None of the ingredients is listed.

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

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The first date of preparation 05/18/2015

Number of revision times and the latest revision date 1.0 / 09/06/2016