1 Identification

D-06115

Product identifier

Trade name: Top Cast® 100

SDS ID Number: 130

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)

2 Hazard(s) identification

Classification of the substance or mixture
Causes skin irritation.
Causes eye irritation.
May cause an allergic skin reaction.

Label elements:

Hazard pictograms

GHS07

Warning

Hazard statements
Causes skin irritation.
Causes eye irritation.
May cause an allergic skin reaction.

Precautionary statements
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Wear protective gloves.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Take off contaminated clothing and wash it before reuse.
Trade name: *Top Cast® 100*

If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention. 
Wash contaminated clothing before reuse. 
Dispose of contents/container in accordance with local/regional/national/international regulations. 

**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

**Hazardous components:**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>5-&lt;7.5%</td>
</tr>
<tr>
<td>5-chloro-2-methyl-2H-isothiazol-3-one</td>
<td>26172-55-4</td>
<td>0-&lt;0.1%</td>
</tr>
</tbody>
</table>

**Additional information:** Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.

**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 opened eye for several minutes under running water. 
Seek immediate medical advice.

**After swallowing:**
Do NOT induce vomiting. 
Never give anything by mouth to an unconscious person.

**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.

Advice for firefighters

Protective equipment: Wear personal protective equipment.

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

Open and handle receptacle with care.

Prevent formation of aerosols.

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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Personal protective equipment:

General protective and hygienic measures:
Avoid contact with the eyes and skin. 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: 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:

Protective work clothing
Use personal protective equipment as required.
Take off contaminated clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>General Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Form:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>According to product specification</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH-value (-) at 20 °C (68 °F):</td>
<td>4</td>
</tr>
</tbody>
</table>

Change in condition

| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 100 °C (212 °F) |
| Flash point:                 | > 100 °C (>212 °F) |
| Method:                      | (estimated) Aqueous system. |

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 400 °C (752 °F)

Decomposition temperature: Not determined.

Auto igniting: Product is not self-igniting.
**Danger of explosion:**

Product does not present an explosion hazard.

**Explosion limits:**

<table>
<thead>
<tr>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined.</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

**Vapor pressure:**

<table>
<thead>
<tr>
<th>Density:</th>
<th>1.1 g/cm³ (9.2 lbs/gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

**Solubility in / Miscibility with Water:**

Fully miscible.

**Partition coefficient (n-octanol/water):**

Not determined.

**Viscosity:**

<table>
<thead>
<tr>
<th>Dynamic</th>
<th>Kinematic</th>
<th>Molecular weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined.</td>
<td>Not determined.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**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

**Additional information:**

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

---

### 11 Toxicological information

**Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

<table>
<thead>
<tr>
<th>77-92-9 Citric acid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal: LD₅₀ 6,730 mg/kg (rat)</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**

- **on the skin:** Causes skin irritation.
- **on the eye:** Causes serious eye irritation.
- **inhalation:** No irritating effect expected
- **Sensitization:** May cause an allergic skin reaction.

(Cont. on page 6)
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**: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment
- **PBT**: Not applicable.
- **vPvB**: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Disposal methods:
Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Dispose of contents/container in accordance with local/regional/national/international regulations.

14 Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, IMDG, IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>
Trade name: Top Cast® 100

<table>
<thead>
<tr>
<th>UN proper shipping name</th>
<th>DOT, IMDG, IATA</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport hazard class(es)</td>
<td>DOT, IMDG, IATA</td>
<td>Class</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>Transport/Additional information:</td>
<td>Not applicable.</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 - Respiratory or Skin Sensitization
- Health Hazard - Serious eye damage or eye irritation

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:
- 56-81-5 Glycerol
- 57-50-1 Sucrose
- 1592-23-0 Calcium distearate
- 68-04-2 Sodium citrate
- 7732-18-5 Water

California Proposition 65: (Substances <0.1% unless noted in Section 3)

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
**Carcinogenicity Categories**

<table>
<thead>
<tr>
<th>TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable</td>
<td></td>
</tr>
<tr>
<td>Sucrose</td>
<td>A4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NIOSH-Cancer (National Institute for Occupational Safety and Health)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13463-67-7 Titanium dioxide</td>
<td></td>
</tr>
</tbody>
</table>

**Volatile Organic Compounds (VOC) reported per the Emission Standards.**  
If no g/L value is provided this product is not subject to above standard.  
1.00 g/L

---

**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** 07/05/2018 / 1.2

**The first date of preparation** 03/24/2008

**Number of revision times and the latest revision date** 1.3 / 02/26/2018