1 Identification

Product identifier

Trade name: **OPTEVA CBN 6219**

SDS ID Number: 2915

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 serious eye irritation.
May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

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

Hazard pictograms

⚠️

Warning

Hazard statements

Causes serious eye irritation.
May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.
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.
Get medical advice/attention if you feel unwell.
If eye irritation persists: Get medical advice/attention.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Trade name: **OPTEVA CBN 6219**

---

### 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>122-20-3 Trisopropanolamine</td>
<td>15-&lt;22%</td>
</tr>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>15-&lt;22%</td>
</tr>
<tr>
<td>111-46-6 Diethylene glycol</td>
<td>1-&lt;3%</td>
</tr>
<tr>
<td>126-71-6 Triisobutyl phosphate</td>
<td>0.1-&lt;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:**
  If symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

- **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.
  Immediately call a doctor.

**Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**
  Allergic reactions
  Irritating to eyes.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.
5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Special hazards arising from the substance or mixture
Combustion products may include toxic gases such as carbon monoxide and smoke.

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.
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

Precautionary Measures: May degrade Polyvinylchloride (PVC) and other plastic materials.

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.
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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>111-46-6 Diethylene glycol</td>
<td>10 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: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves

Butyl rubber, BR
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

<table>
<thead>
<tr>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
</tr>
<tr>
<td>Form: Liquid</td>
</tr>
<tr>
<td>Color: Brown</td>
</tr>
<tr>
<td>Odor: Characteristic</td>
</tr>
<tr>
<td>Odor threshold: Not applicable.</td>
</tr>
<tr>
<td>pH-value (~) at 20 °C (68 °F): 9.5</td>
</tr>
<tr>
<td>Change in condition</td>
</tr>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: Undetermined.</td>
</tr>
<tr>
<td>Flash point: Not applicable.</td>
</tr>
<tr>
<td>Flammability (solid, gaseous): Not applicable.</td>
</tr>
</tbody>
</table>
Trade name: **OPTEVA CBN 6219**

<table>
<thead>
<tr>
<th><strong>Ignition temperature:</strong></th>
<th>Undetermined.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not applicable under normal storage conditions.</td>
</tr>
<tr>
<td><strong>Auto igniting:</strong></td>
<td>Product is not self-igniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Lower:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Upper:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>VOC Content (max):</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Density:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with Water:</strong></td>
<td>Fully miscible.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Dynamic:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Kinematic:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Molecular weight</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### 10 Stability and reactivity

**Reactivity**

Stable under normal conditions.
No further relevant information available.

**Chemical stability**

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

**Possibility of hazardous reactions**

No dangerous reactions known.
No further relevant information available.

**Conditions to avoid**

No further relevant information available.

**Incompatible materials:** May degrade Polyvinylchloride (PVC) and other plastic materials

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

### 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:**

<table>
<thead>
<tr>
<th><strong>LD/LC50 values relevant for classification:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>102-71-6 Triethanolamine</strong></td>
</tr>
<tr>
<td><strong>Oral</strong></td>
</tr>
<tr>
<td>LD50</td>
</tr>
<tr>
<td>6,400 mg/kg (rat - male)</td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
</tr>
<tr>
<td>LD50</td>
</tr>
<tr>
<td>LC50, 96h</td>
</tr>
</tbody>
</table>

(Cont. on page 6)
Trade name: OPTEVA CBN 6219

111-46-6 Diethylene glycol
Oral LD50 1,120 mg/kg (human)

Primary irritant effect:
on the skin: No irritating effect expected
on the eye: Causes serious eye irritation.
inhalation: No irritating effect expected
Ingestion: May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.
Sensitization: May cause an allergic skin reaction.

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
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 are listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients are 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

Disposal methods:
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

| UN-Number | DOT, IMDG, IATA | Not applicable. |
| UN proper shipping name | DOT, IMDG, IATA | Not applicable. |
| Transport hazard class(es) | DOT, IMDG, IATA | Not applicable. |
| Class | Not applicable. |
| Packing group | DOT, IMDG, IATA | Not applicable. |
| Environmental hazards: | Not applicable. |
| Special precautions for user | Not applicable. |
| Transport/Additional information: | DOT |
| Remarks: | Not Regulated. |
| UN "Model Regulation": | 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 Hazard - Respiratory or Skin Sensitization
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.
Trade name: **OPTEVA CBN 6219**

<table>
<thead>
<tr>
<th>Right to Know Ingredient Disclosure:</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-81-5 Glycerol</td>
</tr>
<tr>
<td>7647-14-5 Sodium chloride</td>
</tr>
<tr>
<td>16687-00-6 Chlorides (as salts)</td>
</tr>
<tr>
<td>7732-18-5 Water</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemicals known to cause cancer:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemicals known to cause reproductive toxicity for females:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemicals known to cause reproductive toxicity for males:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemicals known to cause developmental toxicity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1 Methanol</td>
</tr>
<tr>
<td>107-21-1 Ethylene glycol</td>
</tr>
</tbody>
</table>

Carcinogenicity Categories

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

<table>
<thead>
<tr>
<th>Triethanolamine</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>NIOSH-Cancer (National Institute for Occupational Safety and Health)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Volatile Organic Compounds (VOC) reported per the Emission Standards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>If no g/L value is provided this product is not subject to above standard.</td>
</tr>
</tbody>
</table>

**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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**Number of revision times and the latest revision date** 1.0 / 06/05/2019