1 Identification

Product identifier
Trade name: **OPTEVA™ CBA 1514**
SDS ID Number: 2476

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.

Label elements:

Hazard pictograms

⚠️

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.

NFPA ratings (scale 0 - 4)

- Health = 2
- Fire = 1
- Reactivity = 0

(Cont. on page 2)
Trade name: **OPTEVA™ CBA 1514**

HMIS-ratings (scale 0 - 4)

- **HEALTH**: Health = *2
- **FIRE**: Flammability = 1
- **REACTIVITY**: 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 Triisopropanolamine</td>
<td>5-10%</td>
</tr>
<tr>
<td>64-19-7 Acetic acid</td>
<td>3.0-5.0%</td>
</tr>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>3.0-5.0%</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 opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**
Rinse mouth.

Do NOT induce vomiting.

Do not induce vomiting; immediately call for medical help.

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.

**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.
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.

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 values</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-19-7 Acetic acid</td>
<td>Long-term value: 25 mg/m³, 10 ppm</td>
</tr>
<tr>
<td></td>
<td>Short-term value: 37 mg/m³, 15 ppm</td>
</tr>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>Long-term value: 25 mg/m³, 10 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 5 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:

Avoid contact with the eyes and skin.
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:

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>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
</tr>
<tr>
<td>Form: Liquid</td>
</tr>
<tr>
<td>Color: Amber colored</td>
</tr>
<tr>
<td>Odor: Odorless</td>
</tr>
<tr>
<td>Odor threshold:</td>
</tr>
<tr>
<td>Not determined.</td>
</tr>
<tr>
<td>pH-value (~) at 20 °C (68 °F):</td>
</tr>
<tr>
<td>7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range:</td>
</tr>
<tr>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
</tr>
<tr>
<td>100 °C (212 °F)</td>
</tr>
<tr>
<td>Flash point:</td>
</tr>
<tr>
<td>&gt; 93 °C (&gt; 199.4 °F)</td>
</tr>
<tr>
<td>Method: (estimated)</td>
</tr>
<tr>
<td>Aqueous system.</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
</tr>
<tr>
<td>Not applicable.</td>
</tr>
<tr>
<td>Ignition temperature:</td>
</tr>
<tr>
<td>305 °C (581 °F)</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
</tr>
<tr>
<td>Not determined.</td>
</tr>
</tbody>
</table>
Auto igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined.
Upper: Not determined.

Vapor pressure: Not determined.
Density: (~) at 20 °C (68 °F) 1.1 g/cm³ (9.2 lbs/gal)
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.

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.
No further relevant information available.

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:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>64-19-7 Acetic acid</td>
<td></td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>3310 mg/kg (rat)</td>
</tr>
<tr>
<td>102-71-6 Triethanolamine</td>
<td></td>
</tr>
<tr>
<td>Oral LD50</td>
<td>5300 mg/kg (guinea pig)</td>
</tr>
<tr>
<td></td>
<td>6400 mg/kg (rat - male)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>&gt;10000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>LC50, 96h</td>
<td>11800 mg/l (fish)</td>
</tr>
</tbody>
</table>

Primary irritant effect:

on the skin: No irritating effect expected
Trade name: **OPTEVA™ CBA 1514**

**12 Ecological information**

**Toxicity**

Aquatic toxicity:

102-71-6 Triethanolamine

EC50, 48h 609.88 mg/l (daphnia magna)
EC50, 72h 512 mg/l (algae)

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.
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
Class
Not applicable.

**Packing group**
DOT, IMDG, IATA
Not applicable.

**Environmental hazards:**
Marine pollutant:
No

**Special precautions for user**
Not applicable.

**Transport/Additional information:**
Not classified as a dangerous good for transport by road, rail or air.

**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 - 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:**

<table>
<thead>
<tr>
<th>Proprietary Acetate Salt</th>
</tr>
</thead>
<tbody>
<tr>
<td>14806-72-5 Triethanolamine acetate</td>
</tr>
<tr>
<td>7732-18-5 Water</td>
</tr>
</tbody>
</table>

**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 are listed.

**Chemicals known to cause reproductive toxicity for males:**
None of the ingredients are listed.
51.1.6 Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Carcinogenicity Categories

**TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)**

<table>
<thead>
<tr>
<th>Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethanolamine A3</td>
</tr>
</tbody>
</table>

**NIOSH-Cancer (National Institute for Occupational Safety and Health)**

None of the ingredients are 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

**The first date of preparation** 05/15/2015

**Number of revision times and the latest revision date** 1.0 / 07/20/2020