1 Identification

Product identifier

Trade name: **WRDA-64®**

SDS ID Number: 60192

**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**

May cause an allergic skin reaction.

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

**Hazard pictograms**

![GHS07]

**Warning**

**Hazard statements**

May cause an allergic skin reaction.

**Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

(Cont. on page 2)
Trade name: WRDA-64®

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.

Hazardous components:

<table>
<thead>
<tr>
<th>Hazardous Component</th>
<th>MF.Nr.</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>1.0-3.0%</td>
<td></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 cautiously with water for several minutes.

Seek immediate medical advice.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Information for doctor:

Most important symptoms and effects, both acute and delayed: Allergic reactions

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.
Trade name: WRDA-64®

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
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.
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/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.
**Trade name: WRDA-64®**

**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** Rubber or other impervious gloves should be worn to prevent skin contact.

**Eye protection:**
Safety glasses with side shield protection.

**Body 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

<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 (~):</strong> 8</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> 100 °C (212 °F)</td>
</tr>
<tr>
<td><strong>Flash point:</strong> 100 °C (212 °F)</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Ignition temperature:</strong> Undetermined.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Auto igniting:</strong> Product is not self-igniting.</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:</strong> Not determined.</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>
</tbody>
</table>

(Cont. on page 5)
Trade name: WRDA-64®

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.

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

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50/LC50</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>5,300 mg/kg (guinea pig)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6,400 mg/kg (rat - male)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>&gt;10,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td></td>
<td>LC50, 96h</td>
<td>11,800 mg/l (fish)</td>
</tr>
</tbody>
</table>

533-74-4 dazomet (ISO)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>640 mg/kg (rat)</td>
</tr>
<tr>
<td></td>
<td>LD50</td>
<td>&gt;2,000 mg/kg (rat)</td>
</tr>
</tbody>
</table>

Primary irritant effect:

on the skin: No irritating effect expected

on the eye: No irritating effect expected

inhalation: No irritating effect expected

Sensitization:
May cause an allergic skin reaction.

Additional toxicological information:

102-71-6 Triethanolamine

NOEC/NOEL: 16 mg/l (crustaceans) (Chronic NOEC)
Trade name: WRDA-64®

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity:
- Group 1 - Positive
- Group 2A - Probable
- Group 2B - Possible
- Group 3 - Not Classifiable

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: 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:
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.
Trade name: **WRDA-64®**

<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>Not applicable.</td>
</tr>
<tr>
<td>Class</td>
<td></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></td>
<td></td>
</tr>
<tr>
<td>Marine pollutant:</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Special precautions for user</td>
<td></td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport/Additional information:</td>
<td>Not classified as a dangerous good for transport by road, rail or air.</td>
<td></td>
</tr>
<tr>
<td>DOT Remarks:</td>
<td>Not Regulated.</td>
<td></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)**

<table>
<thead>
<tr>
<th>Section 302/304 (extremely hazardous substances):</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

**SARA Section 312/Tier I & II Hazard Categories:** Health Hazard - Respiratory or Skin Sensitization

**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:**

- 8061-52-7 Calcium lignin sulfonate
- 8029-43-4 Corn syrup
- 7732-18-5 Water

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

**Chemicals known to cause cancer:**

This product contains substances known to the state of California to cause cancer, birth defects or other reproductive harm.

- Propylene oxide
- Ethylene oxide

**Chemicals known to cause reproductive toxicity:**

**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:**

- 75-21-8 Ethylene oxide
Trade name: **WRDA-64®**

### 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>
<tr>
<td>Triethanolamine</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NIOSH-Cancer (National Institute for Occupational Safety and Health)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</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.

---

### 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** 08/31/2018 / -  
**The first date of preparation** 03/29/2012  

**Number of revision times and the latest revision date** 1.0 / 08/31/2018