1 Identification

Product identifier

Trade name: **DARAVAIR AT 60**

SDS ID Number: 60053

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

Harmful if swallowed.
Causes serious eye damage.

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

Hazard pictograms

Danger

Hazard statements

Harmful if swallowed.
Causes serious eye damage.

Precautionary statements

Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear eye protection / face protection.
If swallowed: Call a poison center/doctor if you feel unwell.
Rinse mouth.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Trade name: DARAVAIR AT 60

NFPA ratings (scale 0 - 4)

Health = 3
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 3
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></th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>5.0-10.0%</td>
</tr>
<tr>
<td>61790-45-2 Fatty acids, tall-oil, sodium salt</td>
<td>5.0-10.0%</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:
Generally the product does not irritate the skin. 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 Harmful if swallowed.

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.

Environmental precautions: Avoid release to the environment.

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.
Prevent formation of aerosols.
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

<table>
<thead>
<tr>
<th>Component</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>TLV (USA) 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:

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

Material of gloves: Nitrile rubber.

Eye protection:

Safety glasses with side shield protection.

Eye protection:

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></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>11</td>
</tr>
<tr>
<td>Change in condition</td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Ignition temperature:</td>
<td>305 °C (581 °F)</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto igniting:</td>
<td>Product is not self-igniting.</td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>Product does not present an explosion hazard.</td>
</tr>
</tbody>
</table>
Trade name: DARAVAIR AT 60

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosion limits:</td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper</td>
<td>Not determined.</td>
</tr>
<tr>
<td>VOC Content (max):</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Density:</td>
<td>1 g/cm³ (8.3 lbs/gal)</td>
</tr>
<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>
<tr>
<td>Solubility in / Miscibility with Water:</td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity:</td>
<td></td>
</tr>
<tr>
<td>Dynamic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### 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**:

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td></td>
</tr>
<tr>
<td>Oral LD50</td>
<td>5,300 mg/kg (guinea pig)</td>
</tr>
<tr>
<td></td>
<td>6,400 mg/kg (rat - male)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>&gt;10,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>LC50, 96h</td>
<td>11,800 mg/l (fish)</td>
</tr>
</tbody>
</table>

**Primary irritant effect**:

- **on the skin**: No irritating effect expected
- **on the eye**: Causes serious eye damage.
- **inhalation**: No irritating effect expected
- **Ingestion**: Harmful if swallowed.

**Additional toxicological information**:

<table>
<thead>
<tr>
<th>102-71-6 Triethanolamine</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NOEC/NOEL</td>
<td>16 mg/l (crustaceans) (Chronic NOEC)</td>
</tr>
</tbody>
</table>
Carcinogenic categories

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

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6</td>
<td>Triethanolamine</td>
<td>3</td>
</tr>
<tr>
<td>111-42-2</td>
<td>Diethanolamine</td>
<td>2B</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical</th>
<th>EC50</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6</td>
<td>Triethanolamine</td>
<td>512 mg/l</td>
<td>609.88 mg/l</td>
</tr>
</tbody>
</table>

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:
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

| 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: | Marine pollutant: | No |
| Special precautions for user | Not applicable. |
| Transport/Additional information: | DOT | Not Regulated. |
| Remarks: | Not applicable. |
| 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 - Acute toxicity (any route of exposure)
  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:

- 85409-27-4 Rosin, maleated, potassium salt
- 25265-71-8 Dipropylene glycol (isomer unspecified)
- 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

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)
Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

Triethanolamine [A3]

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

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