1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product identifier**

**Product name** DESIKOTE US

**Other means of identification**

- **Product code**: 51323
- **Synonyms**: None

**Recommended use of the chemical and restrictions on use**

- **Recommended use**: Adjuvant.
- **Uses advised against**: None known

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address**

Taminco US LLC
a subsidiary of Eastman Chemical Company
Two Windsor Plaza, Suite 411
7540 Windsor Drive
Allentown, PA 18195
(800) 223-3258

**Emergency telephone number**

Emergency Telephone
In case of emergency call CHEMTREC 1-800-424-9300
for International calls 1-703-527-3887

2. Hazards Identification

**Classification**

**OSHA Regulatory Status**
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>1</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>1</td>
</tr>
</tbody>
</table>

**Label Elements**

**Symbols/Pictograms**

- [Image of safety symbols]

**Signal Word**

DANGER
hazard statements
Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction

Precautionary Statement - Prevention
Wash hands thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
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 or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Precautionary Statements - Disposal
Dispose of contents/container in accordance with local regulation

Hazards Not Otherwise Classified (HNOC)
None known

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol Ethoxylate</td>
<td>68439-46-3</td>
<td>10-18</td>
<td>*</td>
</tr>
<tr>
<td>Terpene hydrocarbons</td>
<td>31393-98-3</td>
<td>30-45</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

First Aid Measures

General advice
If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.

Skin contact
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.

Inhalation
Move to fresh air. If symptoms persist, call a physician.

Ingestion
Call a physician or Poison Control Centre immediately. Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Protection of First-aiders
Use personal protective equipment.

Most Important Symptoms and Effects, Both Acute and Delayed
Symptoms

See Section 11: TOXICOLOGICAL INFORMATION.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
Water spray. Carbon dioxide (CO2). Dry chemical. Foam.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.

Hazardous combustion products
Carbon monoxide. Carbon dioxide (CO2).

Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear personal protective equipment.

Environmental Precautions
Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up
Use explosion-proof equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Large spills should be collected mechanically (remove by pumping) for disposal. Keep in suitable, closed containers for disposal. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

7. Handling and Storage

Precautions for Safe Handling
Avoid contact with skin, eyes and clothing. Wash hands after handling.

Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a cool, well-ventilated place.

incompatible materials
Strong oxidizing agents.

8. Exposure Controls/Personal Protection

Control Parameters
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Appropriate Engineering Controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Safety glasses with side-shields. Face-shield.

Skin and Body Protection
Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection
If irritation is experienced, NIOSH approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>VALUES</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td></td>
</tr>
<tr>
<td>appearance</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>color</td>
<td>off-white yellow tint</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Terpene-like</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>&gt; 100 °C</td>
<td></td>
</tr>
<tr>
<td>flash point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability limit in air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>vapor pressure</td>
<td>0.02 Pa</td>
<td>@ 25 °C</td>
</tr>
<tr>
<td>vapor density</td>
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<td></td>
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<tr>
<td>Specific gravity</td>
<td>0.98</td>
<td></td>
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<tr>
<td>Water solubility</td>
<td>Partly soluble</td>
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<tr>
<td>Solubility in Other Solvents</td>
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<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
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<td>Autoignition temperature</td>
<td>268 °C</td>
<td></td>
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<tr>
<td>decomposition temperature</td>
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</tr>
<tr>
<td>Kinematic viscosity</td>
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<tr>
<td>Dynamic viscosity</td>
<td>520 mPas</td>
<td>@ 20 °C</td>
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<tr>
<td>Explosive properties</td>
<td>No information available</td>
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<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

OTHER INFORMATION

molecular weight
No information available

VOC Content
No information available

10. Stability and Reactivity

Reactivity
Stable under normal conditions

Chemical stability
Stable under recommended storage conditions.
Possibility of Hazardous Reactions
None under normal processing.

Hazardous polymerization
Hazardous polymerization does not occur.

Conditions to avoid
None known.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon oxides.

11. Toxicological Information

Inhalation
None known.

Eye contact
Causes serious eye damage.

Skin contact
Causes skin irritation. May cause allergic skin reaction.

Ingestion
None known.

Product information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50/oral/rat</td>
<td>&gt; 2500 mg/kg</td>
</tr>
<tr>
<td>LD50/dermal/rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50/inhalation/4h/rat</td>
<td>&gt; 4.96 mg/l</td>
</tr>
</tbody>
</table>

Eye irritation
Causes serious eye damage

Skin irritation
Moderate skin irritation

Sensitization
Causes sensitization

Mutagenic effects
No information available

Reproductive Toxicity
Did not show teratogenic effects in animal experiments

Specific target organ systemic toxicity (single exposure)
No information available

Specific target organ systemic toxicity (repeated exposure)
No information available

Carcinogenicity
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA.

12. Ecological Information

Ecotoxicity

Product information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to Fish</td>
<td>No information available</td>
</tr>
<tr>
<td>Toxicity to daphnia</td>
<td>No information available</td>
</tr>
<tr>
<td>Toxicity to Algae</td>
<td>No information available</td>
</tr>
<tr>
<td>Toxicity to bacteria</td>
<td>No information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Freshwater Algae</th>
<th>Freshwater Fish</th>
<th>Water Flea</th>
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</thead>
<tbody>
<tr>
<td>Terpene hydrocarbons</td>
<td>31393-98-3</td>
<td>72 mg/l</td>
<td>41 mg/l</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------</td>
<td>--------</td>
<td>--------</td>
</tr>
</tbody>
</table>

**Persistence/Degradability**

NOT READILY BIODEGRADABLE.

**Bioaccumulative potential**

Bioconcentration factor (BCF) No information available

**Mobility in Soil**

\[ K_{oc} = > 4.4 \]

**Other Adverse Effects**

No information available

### 13. Disposal Considerations

**Waste Treatment Methods**

**Waste Disposal Method**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

### 14. Transport Information

**DOT**

NOT REGULATED

**IATA**

<table>
<thead>
<tr>
<th>UN-No</th>
<th>UN3082</th>
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</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (terpene hydrocarbon), 9, PG III</td>
</tr>
<tr>
<td>Hazard class</td>
<td>9</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>Yes</td>
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</table>

**IMDG/IMO**

<table>
<thead>
<tr>
<th>UN-No</th>
<th>3082</th>
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<tr>
<td>Proper shipping name</td>
<td>UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (terpene hydrocarbon), 9, PG III</td>
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<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>Yes</td>
</tr>
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</table>

### 15. Regulatory Information

**International Inventories**

<table>
<thead>
<tr>
<th>TSCA</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL/NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>ENCS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Federal Regulations

SARA TITLE III SECTION 313 INFORMATION:
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazardous.
Categorization
- Acute health hazard: Yes
- Chronic health hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations

California Proposition 65
No Data Available

State Right-to-Know

U.S. EPA Label information
EPA Pesticide registration number: Not Applicable

WHMIS Hazard Class: D2B Toxic materials

CANADA
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. Other Information

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HEALTH 2</th>
<th>FIRE 1</th>
<th>Instability 0</th>
<th>Physical hazard -</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>HEALTH 2</td>
<td>flammability 1</td>
<td>Physical hazards 0</td>
<td></td>
</tr>
</tbody>
</table>

Preparation Date: 01-05-2015
Revision date: 02-05-2016
Revision Summary: Not Available

Disclaimer:
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
End of Safety Data Sheet