

Preparation Date 01-05-2015

Revision date 02-05-2016

Revision number 1

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)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1

Label Elements

Symbols/Pictograms



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

Chemical name	CAS-No	Weight %	Trade secret
Alcohol Ethoxylate	68439-46-3	10-18	*
Terpene hydrocarbons	31393-98-3	30-45	*

*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**

Physical state	liquid	Odor	Terpene-like
appearance	No information available		
color	off-white yellow tint		

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point/freezing point	No information available	
Boiling Point/Range	> 100 °C	
flash point	No information available	
evaporation rate	No information available	
flammability (solid, gas)	No information available	
Flammability limit in air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
vapor pressure	0.02 Pa	@ 25 °C
vapor density	No information available	
Specific gravity	0.98	
Water solubility	Partly soluble	
Solubility in Other Solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	268 °C	
decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	520 mPas	@ 20 °C
Explosive properties	No information available	
Oxidizing properties	No information available	

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

LD50/oral/rat =	> 2500 mg/kg
LD50/dermal/rat =	> 2000 mg/kg
LC50/inhalation/4h/rat =	> 4.96 mg/l
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**

Toxicity to Fish	No information available
Toxicity to daphnia	No information available
Toxicity to Algae	No information available
Toxicity to bacteria	No information available

Chemical name	Freshwater Algae	Freshwater Fish	Water Flea

Terpene hydrocarbons 31393-98-3	72 mg/l	41 mg/l	1.9-10 mg/l
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Persistence/Degradability
NOT READILY BIODEGRADABLE.

Bioaccumulative potential
Bioconcentration factor (BCF) No information available

Mobility in Soil
Koc = > 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

UN-No	UN3082
Proper shipping name	UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (terpene hydrocarbon), 9, PG III
Hazard class	9
Packing group	III
Marine pollutant	Yes

IMDG/IMO

UN-No	3082
Proper shipping name	UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (terpene hydrocarbon), 9, PG III
Hazard class	9
Packing group	III
Marine pollutant	Yes

15. Regulatory Information

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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

NFPA	HEALTH 2	FIRE 1	Instability 0	Physical hazard -
HMIS	HEALTH 2	flammability 1	Physical hazards 0	

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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