

SAFETY DATA SHEET

Kieralon DAD liq

Version 2.3 Revision Date: 12/20/2018 SDS Number: CLT207142-V1 Date of last issue: 09/13/2016
Date of first issue: 09/12/2013

SECTION 1. IDENTIFICATION

Identification of the company:	Dharma Trading Company 1805 South McDowell Blvd. Ext. Petaluma, CA 94954 USA (800) 542-5227
Information of the substance/preparation:	Product Stewardship +1 704-353-4120
Emergency tel. number:	+1 866-928-0789 (NCEC)

Trade name: Kieralon DAD liq
Material number: 152490

Chemical family: Ethoxylated Fatty Alcohol

Recommended use of the chemical and restrictions on use

Recommended use: Wetting agent, Emulsifier, Paint additive

Recommended restrictions on use: Unknown

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear eye protection/ face protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with

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water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	> 50

SECTION 4. FIRST AID MEASURES

- General advice : Remove/Take off immediately all contaminated clothing. Ensure that the First Aid Personnel are aware of the product involved, and take precautions to protect themselves (e.g. wear personal protection equipment).
- If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.
- If swallowed : If conscious, give the victim plenty of water to drink.
Consult a physician.
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.
- Notes to physician : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : water

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Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
Water spray

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Thermal decomposition may produce oxides of carbon.
Emits toxic fumes under fire conditions. Product floats on water creating a potential floating fire hazard..

Further information : Apply alcohol-type or all purpose-type foams by manufacturers' recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Do not direct a solid stream of water or foam into hot burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and protective equipment.

Special protective equipment for firefighters : Self-contained breathing apparatus
Full protective suit

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Ventilate the area.
Contain spill. Small spills may be flushed to the sewer or absorbed on suitable absorbants. Larger spills should be collected as liquid or absorbed. Clean-up may be accomplished by flushing with water if appropriate or remove contaminated soils. place in appropriate containers.

Environmental precautions : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
The product should not be allowed to enter drains, water courses or the soil.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin and eyes.

Conditions for safe storage : Keep container closed.

Materials to avoid : Avoid storage near incompatible agents (see section 10).
Do not store or transport together with foodstuffs

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

Personal protective equipment

- Respiratory protection : If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134
- Hand protection
- Remarks : Chemical resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol). However, please note that PVA degrades in water.
- Protective measures : Avoid contact with skin.
Avoid contact with eyes.
- Hygiene measures : Keep away from food and drink.
Clean skin thoroughly after work; apply skin cream.
Avoid inhalation, ingestion and contact with skin and eyes.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Liquid
- Colour : light yellow
- Odour : characteristic
- Odour Threshold : not determined
- pH : 5 - 8, Concentration: 10 g/l (20 °C) Method: ASTM E 70
- Melting point : 9 °C
Method: ASTM D 2386
- Boiling point : > 360 °C
Method: Calculated by Syracuse.
- Flash point : 210 °C
Method: ASTM D 92 (open cup)
- Evaporation rate : not determined
- Flammability (solid, gas) : Not applicable
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Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: < 0.001 Pa (25 °C) Method: Calculated by Syracuse.
Relative vapour density	: not tested.
Relative density	: approx. 1
Density	: approx. 1 g/cm ³ Method: ASTM D 1298
Solubility(ies) Water solubility	: miscible
Partition coefficient: n-octanol/water	: Pow: 1.92Method: Calculated by Syracuse.
Auto-ignition temperature	: not tested.
Decomposition temperature	: > 300 °C Method: DSC
Viscosity Viscosity, dynamic	: 45 mPa.s (77 °F)
Viscosity, kinematic	: not determined
Explosive properties	: Not explosive
Oxidizing properties	: There are no chemical groups associated with oxidising properties present in the molecule.
Impact sensitivity	: not determined
Surface tension	: not available
Molecular weight	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable
Possibility of hazardous reactions	: Stable
Conditions to avoid	: Strong acids and oxidizing agents

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Incompatible materials : Strong oxidizing agents
Hazardous decomposition products : Carbon monoxide and carbon dioxide

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Ingestion

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): 1.940 mg/kg
Method: OECD Test Guideline 401
Remarks: By analogy with a product of similar composition

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : Remarks: not tested.

Acute toxicity (other routes of administration) : Remarks: No data available

Skin corrosion/irritation

Product:

Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Product:

Species: rabbit eye
Result: Risk of serious damage to eyes.

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: not tested.

Genotoxicity in vivo : Test substance: No data available

Carcinogenicity

Product:

Remarks: not available

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed

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human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

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

Reproductive toxicity

Product:

Effects on fertility :
Remarks: not available

Effects on foetal development :
Remarks: not available

STOT - single exposure

Product:

Remarks: No data available

STOT - repeated exposure

Product:

Remarks: not tested.

Repeated dose toxicity

Product:

Remarks: not available

Aspiration toxicity

Product:

No data available

Symptoms and effects

Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 1 - 10 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: By analogy with a product of similar composition
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5 - 10 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: By analogy with a product of similar composition
- Toxicity to algae :
Remarks: not available
- Toxicity to fish (Chronic toxicity) : Remarks: not available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not available
- Toxicity to bacteria : EC50 (Pseudomonas putida): > 1,000 mg/l
Method: DIN 38412 T.8
Remarks: By analogy with a product of similar composition

Persistence and degradability

Product:

- Biodegradability : Exposure time: 28 d
Method: OECD Test Guideline 301F
Remarks: By analogy with a product of similar composition
- Physico-chemical removability : Remarks: not available

Bioaccumulative potential

Product:

- Bioaccumulation : Remarks: No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.

Mobility in soil

Product:

- Distribution among environ- : Remarks: No information is available on the mixture "as is". If

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mental compartments relevant information is available on the substances listed in Chapter 3, it is reported here.

Other adverse effects

Product:

Results of PBT and vPvB assessment : Remarks: No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.

Additional ecological information : Product does not contain any organic bound Halogens which could lead to AOX-values.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act : No -- Not as sold.

Waste Code : None

Waste from residues : Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or land-filled after solidification in permitted systems.

SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA not restricted

IMDG not restricted

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

Volatile organic compounds VOC:

Content VOC (weight-%): 4.5 %
Method: EPA Method 24

European SVHC: The product does not contain (or concentration is below 0,1%) any substance/impurity, which, according to annex XIV and XV of the REACH Regulation 1907/2006/EC, is listed as an SVHC.

SECTION 16. OTHER INFORMATION

Further information

This product is not registered with the FDA.
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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.

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