

SAFETY DATA SHEET

Kieralon: Dyer's Detergent #KDD

Version 2.1 Revision Date: 10/04/2018 SDS Number: CLT264205-V1 Date of last issue: 08/18/2015
Date of first issue: 09/12/2013

SECTION 1. IDENTIFICATION

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

Trade name: Kieralon: Dyer's Detergent #KDD
Material number: 149791
Alpha Code: SPNDTCMM
Formula: Mixture
Chemical family: Ethoxylated Compound

Recommended use of the chemical and restrictions on use


Recommended use: Textile auxiliary
Recommended restrictions on use: unknown

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4
Skin irritation : Category 2
Serious eye damage : Category 1

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H315 Causes skin irritation.
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.

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P280 Wear eye protection/ face protection.
P280 Wear protective gloves.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 + P310 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.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

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 (%)
Propan-2-ol	67-63-0	2 - 7
2-(2-Butoxyethoxy)ethanol	112-34-5	8 - 13
Glycol ether		8 - 13

SECTION 4. FIRST AID MEASURES

- 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 SWALLOWED: Immediately call a POISON CENTER/doctor.
- 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.

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : water
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Thermal decomposition may produce oxides of carbon.
- Firefighters should wear self-contained breathing apparatus in the positive pressure mode with a full facepiece when there is a possibility of exposure to smoke, fumes or hazardous decomposition products.
- Further information : Cool container with water spray. Primary flammability hazard is Isopropyl Alcohol. Prevent runoff to sewers and bodies of water from fighting fires involving this product as it will be a RCRA hazardous waste material.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Wear suitable protective clothing.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment. Unprotected persons must be kept away.
Contain spill. Prevent sources of ignition. Wear appropriate respiratory protection and proper protective equipment. Ventilate if in enclosed area. Recover as liquid using hand or explosion proof pump or use suitable absorbant to collect. Clean up by flushing with water if appropriate or removal of contaminated soils.
- Environmental precautions : Do not empty into drains.
- Methods and materials for containment and cleaning up : Pick up mechanically. Rinse away rest with water.
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SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Store in cool area. Product may separate if frozen. If this occurs, warm to room temperature and stir before use.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values

Propan-2-ol
 CAS number : 67-63-0

Regulatory list	Substance name as published on list	Revision	Type of value	Values	Remarks
US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	2-Propanol	2013-03-01	8-hour, time-weighted average	200 ppm	
US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	2-Propanol	2013-03-01	Short-term exposure limit	400 ppm	
US. NIOSH Recommended Exposure Limits	Isopropyl alcohol	2005-09-01	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek	980 mg/m3 400 ppm	
US. NIOSH Recommended Exposure Limits	Isopropyl alcohol	2005-09-01	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday	1,225 mg/m3 500 ppm	
US. Permissible Exposure Limits (PEL) Table Z-1 Limits for Air Contaminants	isopropyl alcohol	1997-08-04	8-hour time weighted average	980 mg/m3 400 ppm	
US. Table Z-1-A Limits for Air Contaminants (1989 vacated values)	Isopropyl alcohol	1989-01-19	8-hour time weighted average	980 mg/m3 400 ppm	
US. Table Z-1-A Limits for Air Contaminants (1989 vacated values)	Isopropyl alcohol	1989-01-19	Short-term exposure limit	1,225 mg/m3 500 ppm	

2-(2-Butoxyethoxy)ethanol
 CAS number : 112-34-5

Regulatory list	Substance name as published on list	Revision	Type of value	Values	Remarks
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US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	Diethylene glycol monobutyl ether	2013-03-01	8-hour, time-weighted average Inhalable fraction and vapor	10 ppm	
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Personal protective equipment

Respiratory protection : NIOSH approved respirator - chemical cartridge respirator with appropriate cartridge, if required.

Hand protection

Remarks : Butyl Rubber, PVC Or Neoprene.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Colour : Clear, colorless to light yellow

Odour : alcohol-like

Odour Threshold : not determined

pH : 7.0 - 8.0, Concentration: 50 g/l

Freezing point : not determined

Boiling point : > 212 °F

Flash point : > 100 °C
Method: closed cup

Evaporation rate : not determined

Flammability (solid, gas) : Not applicable

Upper explosion limit : not tested.

Lower explosion limit : not tested.

Vapour pressure : not determined

Relative vapour density : not determined

Density : not determined

Solubility(ies)
Water solubility : completely soluble

Partition coefficient: n- : not determined

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octanol/water

Auto-ignition temperature : not tested.

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Impact sensitivity : not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : Strong oxidizing agents

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact

Skin contact

Ingestion

Inhalation

Skin Absorption

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): Remarks: not tested.

Acute toxicity estimate: 1,823 mg/kg

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Components:

67-63-0:

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Acute oral toxicity : LD50 (Rat): 5,280 mg/kg
Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l
Exposure time: 4 h
Acute dermal toxicity : LD50 (Rabbit): 12,800 mg/kg

112-34-5:

Acute oral toxicity : LD50 (Mouse, male): 2,410 mg/kg
Acute inhalation toxicity : LC50 (Rat): > 29 ppm
Exposure time: 2 h
Acute dermal toxicity : LD50 (Rat, male): 2,764 mg/kg

Skin corrosion/irritation

Product:

Remarks: not tested.

Components:

112-34-5:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Mild skin irritation

Serious eye damage/eye irritation

Product:

Remarks: not tested.

Components:

112-34-5:

Species: rabbit eye
Result: strongly irritant
Method: OECD Test Guideline 405

Carcinogenicity

IARC : Not listed
OSHA : Not listed
NTP : Not listed

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

Components:

67-63-0:

Toxicity to fish : Remarks: Test data for the substance are not available.

112-34-5:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,300 mg/l
Exposure time: 96 h

LC50 (Menidia sp.): 2,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4,950 mg/l
Exposure time: 48 h
Test Type: Immobilization

Toxicity to algae : IC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): > 100 mg/l
Exposure time: 96 h

Persistence and degradability

Components:

67-63-0:

Biodegradability : Result: Readily biodegradable.

112-34-5:

Biodegradability : Result: Readily biodegradable.
Exposure time: 28 d
Method: OECD Test Guideline 301C

Bioaccumulative potential

Components:

67-63-0:

Bioaccumulation : Remarks: Test data for the substance are not available.

Mobility in soil

Components:

67-63-0:

Distribution among environmental compartments : Remarks: Test data for the substance are not available.

Other adverse effects

Product:

Additional ecological information : No data available

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mation

Components:

67-63-0:

Results of PBT and vPvB assessment : Remarks: No data available

Additional ecological information : slightly water endangering

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act : Yes -- If it becomes a waste as sold.

Waste Code : D001

Waste from residues : This product may yield waste subject to the RCRA land disposal restrictions found at 40 CFR 268. These wastes must be treated according to the treatment standards at 40 CFR 268 subpart D before land disposal.

Contaminated packaging : Corroded or contaminated packaging should be disposed of as product waste

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
Chronic Health Hazard
Fire 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 product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372. Any such toxic chemical(s) are shown below. This information must be included in all MSDS's that are copied and distributed for this material.

Glycol ether 12.9 %

Clean Water Act

Contains no known priority pollutants at concentrations greater than 0.1%.

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:

Remarks: not available

SECTION 16. OTHER INFORMATION

Further information

Keep container closed.
Avoid contact with skin and eyes.
This product is not registered with the FDA.
FDA: Permitted for Use per Section:

NONE

Revision Date : 10/04/2018

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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