

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Revision date: 05/04/2016 Date of issue: 10/08/2015

Version: 1.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product Name : Dishguard
Product code : KE21
Synonyms : General Purpose Washing Up Liquid

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Biodegradable neutral detergent for washing crockery. For professional use only.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

Emergency number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315

Eye Dam 2A H319

Aquatic Chronic 3H412

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Warning
Hazard statements (CLP) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P273 - Avoid release into the environment.
P280 - Wear protective gloves and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.
P321 - Specific treatment (see section 4 on this SDS).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.
EUH 208 - Contains mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) May produce an allergic reaction.

2.3. Other hazards

Other hazards not contributing to the classification : Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Results of PBT and vPvB assessment : This substance/mixture does not meet the PBT or vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)	EC number: 931-329-6	3 - 6	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411
BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE	CAS number: 121617-08-1 REACH registration number: 01-2119971970-28	1 - 3	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS	CAS number: 68891-38-3 REACH registration number: 01-2119488639-16	1 - 3	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	EC no. 247-500-7 & EC no. 220-239-6	<1	Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Sodium chloride	(CAS No) 7647-14-5 (EC no) 231-598-3	<1	Not classified
DIETHANOLAMINE	CAS number: 111-42-2	<1	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse cautiously with water at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes skin irritation. Causes serious eye irritation.

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Ingestion is likely to be harmful or have adverse effects.
Chronic symptoms	: None expected under normal conditions of use.

4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not considered flammable but may burn at high temperatures.
Explosion hazard	: Product is not explosive.
Reactivity	: Generation of gas during decomposition may cause an increase of pressure in a closed system.

5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Refer to Section 9 for flammability properties.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid all contact with skin, eyes, or clothing. Avoid breathing vapour, mist, or spray.
------------------	---

6.1.1. For non-emergency personnel

Protective equipment	: Use appropriate personal protection equipment (PPE).
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
------------------	--

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Comply with applicable regulations.
Storage conditions	: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible products	: Strong acids. Strong bases. Strong oxidizers.
Special rules on packaging	: N/A

7.3. Specific end use(s)

Biodegradable neutral detergent for washing crockery. For professional use only.

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

GLYCERINE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

DIETHANOLAMINE

Long-term exposure limit (8-hour TWA): OES 3 ppm(Sk) 13 mg/m³(Sk)

Short-term exposure limit (15-minute): OES

WEL = Workplace Exposure Limit

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

DNEL Industry - Dermal; Long term systemic effects: 4.16 mg/kg/day

Industry - Inhalation; Long term systemic effects: 73.4 mg/m³

Consumer - Dermal; Long term systemic effects: 2.5 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 21.73 mg/m³

Consumer - Oral; Long term systemic effects: 6.25 mg/kg/day

PNEC - Fresh water; 0.007 mg/l

- Marine water; 0.0007 mg/l

- Intermittent release; 0.0024 mg/l

- STP; 830 mg/l

- Soil; 0.0189 mg/l

- Sediment; 0.0424 mg/kg

GLYCERINE (CAS: 56-81-5)

Ingredient comments WEL = Workplace Exposure Limits

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE (CAS: 121617-08-1)

DNEL Industry - Inhalation; Long term systemic effects: 4.1 mg/m³

Industry - Dermal; Long term systemic effects: 5.29 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 1.01 mg/m³

Consumer - Dermal; Long term systemic effects: 1.2 mg/kg/day

PNEC - Fresh water; 0.268 mg/l

- Marine water; 0.0268 mg/l

- Intermittent release; 0.268 mg/l

- STP; 7 mg/l

- Sediment (Freshwater); 8.1 mg/kg

- Sediment (Marinewater); 8.1 mg/kg

- Soil; 35 mg/kg

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

DNEL Industry - Dermal; Long term systemic effects: 2750 mg/kg/day

Industry - Inhalation; Long term systemic effects: 175 mg/m³

Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day

Consumer - Oral; Long term systemic effects: 15 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 52 mg/m³

PNEC - Fresh water; 0.24 mg/l

- Soil; 0.946 mg/kg

- STP; 10000 mg/l

- Marine water; 0.024 mg/l

- Intermittent release; 0.071 mg/l

- Sediment (Freshwater); 5.45 mg/kg

- Sediment (Marinewater); 0.545 mg/kg

DIETHANOLAMINE (CAS: 111-42-2)

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

DNEL Industry - Inhalation; Long term systemic effects: 1 mg/m³
Industry - Dermal; Long term systemic effects: 0.13 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 0.25 mg/m³
Consumer - Oral; Long term systemic effects: 0.06 mg/kg/day
Consumer - Dermal; Long term systemic effects: 0.07 mg/kg/day
PNEC - Fresh water; 0.0022 mg/l
- Marine water; 0.00022 mg/l
- Intermittent release; 0.022 mg/l
- Sediment (Freshwater); 0.019 mg/kg
- Sediment (Marinewater); 0.0019
- Soil; 0.00108 mg/kg
- STP; 100 mg/l

8.2. Exposure controls

- Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.
- Personal protective equipment : Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.
- Materials for protective clothing : Chemically resistant materials and fabrics.
- Hand protection : Wear chemically resistant protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Use an approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
- Environmental exposure controls : Do not allow the product to be released into the environment.
- Consumer exposure controls : Do not eat, drink or smoke during use.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : Clear green
- Odour : No appreciable odour
- Odour threshold : No data available
- pH : 7.00 – 7.50
- Evaporation rate : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : 100 °C (212 °F)
- Flash point : Non-flammable
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Solubility : Water: Complete
- Relative density : 1.01 – 1.03 (Water=1)
- Partition coefficient: n-octanol/water : No data available
- Viscosity : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Explosive limits : No data available

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.

10.5. Incompatible materials

Strong oxidizers agents.

10.6. Hazardous decomposition products

Fire creates: Oxides of the following substances: Carbon. Sulphur.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 22,727.27

Skin corrosion/irritation

Animal data Data lacking.

Serious eye damage/irritation

Serious eye damage/irritation Data lacking.

Respiratory sensitisation

Respiratory sensitisation Data lacking.

Skin sensitisation

Skin sensitisation Data lacking.

Germ cell mutagenicity

Genotoxicity - in vitro Data lacking.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility Data lacking.

Specific target organ toxicity - single exposure

STOT - single exposure Data lacking.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Data lacking.

Aspiration hazard

Aspiration hazard Data lacking.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact : Irritating to skin.

Eye contact : Risk of serious damage to eyes.

Toxicological information on ingredients.

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)

5,000.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg)

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

2,000.0

Species : Rat

Skin corrosion/irritation

Animal data Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation

Risk of serious damage to eyes.

Skin sensitisation

Skin sensitisation Not sensitising.

Inhalation May cause respiratory system irritation.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Skin irritation.

Eye contact Risk of serious damage to eyes.

Route of entry Skin and/or eye contact

Target organs Eyes Skin

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)

2,925.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg)

2,000.0

Species Rabbit

Skin corrosion/irritation

Animal data Irritating.

Serious eye damage/irritation

Serious eye

damage/irritation

Moderately irritating. Risk of serious damage to eyes.

Skin sensitisation

Skin sensitisation Buehler test: - Guinea pig: OECD 406 Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test:

Carcinogenicity

Carcinogenicity Scientifically unjustified.

Reproductive toxicity

**Reproductive toxicity -
development**

This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)

4,100.0

Species Rat

Notes (oral LD₅₀) OECD 401

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg)

2,000.0

Species Rat

Notes (dermal LD₅₀) OECD 402 LD₅₀ > 2000 mg/kg, Dermal, Rat

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative. Based on available data the classification criteria are not met.

Inhalation May cause respiratory system irritation.

Ingestion May cause discomfort if swallowed.

Skin contact Causes skin irritation.

Eye contact Causes serious eye damage.

DIETHANOLAMINE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)

1,600.0

Species Rat

Notes (oral LD₅₀) > 1600 mg/kg

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg)

12,970.0

Species Rabbit

Skin corrosion/irritation

Animal data Skin irritation.

Serious eye damage/irritation

Serious eye

damage/irritation

Risk of serious damage to eyes.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity -
development

This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Data lacking.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Causes damage to organs (Blood, Kidneys, Liver) through prolonged or repeated exposure if swallowed.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation May cause respiratory system irritation.

Ingestion May cause stomach pain or vomiting.

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Skin contact Irritating to skin.

Eye contact Risk of serious damage to eyes. Risk of corneal damage.

SECTION 12: Ecological information

12.1. Toxicity

Ecological information on ingredients.

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

Ecotoxicity Toxic to aquatic life with long lasting effects.

DIETHANOLAMINE

Ecotoxicity The product components are not classified as environmentally hazardous.

However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Toxic to aquatic life.

Acute toxicity - fish No data recorded.

Ecological information on ingredients.

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

Acute toxicity - fish LC50, : 2.4 mg/l,

OECD 203

Acute toxicity - aquatic

invertebrates

EC₅₀, : 3.2 mg/l, Daphnia magna

OECD 202

Acute toxicity - aquatic

plants

IC₅₀, : 3.9 mg/l,

Chronic toxicity - aquatic

invertebrates

NOEC, 21 days, 21 days: 0.07 mg/l, Daphnia magna

OECD 211

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE

Acute toxicity - fish LC50, 96 hours, 96 hours: 5.7 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours, 48 hours: 10.6 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

NOEC, 72 hours, 72 hours: 3.4 mg/l, Scenedesmus subspicatus

Chronic toxicity - aquatic

invertebrates

NOEC, 21 days, 21 days: 2.8 mg/l, Daphnia magna

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Acute toxicity - fish LC50, 96 hours, 96 hours: 7.1 mg/l, Brachydanio rerio (Zebra Fish)

OECD 203

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours, 48 hours: 7.4 mg/l, Daphnia magna

OECD 202

Acute toxicity - aquatic

plants

EC₅₀, 72 hours, 72 hours: 27.7 mg/l, Freshwater algae

OECD 201

DIETHANOLAMINE

Acute toxicity - fish LC₅₀, 96 hours: 1460 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 55 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

EC₅₀, 96 hours: 2.2 mg/l, *Selenastrum capricornutum*

Acute toxicity -
microorganisms

EC₂₀, 30 minutes: >1000 mg/l, Activated sludge

Chronic toxicity - aquatic
invertebrates

NOEC, 21 days: 0.78 mg/l, *Daphnia magna*

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Ecological information on ingredients.

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

Persistence and degradability

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Biodegradation - Degradation (%) 92.5: 28 days

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE

Persistence and degradability

The substance is readily biodegradable.

Biodegradation - Degradation (%) 100: 28 days

OCED 301B

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Persistence and degradability

The product is readily biodegradable.

Biodegradation - Degradation (%) 100: 28 days

DIETHANOLAMINE

Persistence and degradability

The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

Bioaccumulative potential BCF: 65.36,

Partition coefficient log Pow: 3.75

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE

Bioaccumulative potential The product is not bioaccumulating.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

BCF: < 3,

Partition coefficient log Pow: 0.3

DIETHANOLAMINE

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient : -2.18

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

Mobility The product is insoluble in water.

Surface tension 27.7 mN/m @ @ 20°C OECD 115

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Mobility The product is soluble in water.

DIETHANOLAMINE

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE

Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

DIETHANOLAMINE

Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

AMIDES, C8-C18(EVEN NUMBERED) AND C18(UNSATD.), N,N-BIS(HYDROXYETHYL)

Other adverse effects Not available.

BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS., COMPDS. WITH TRIETHANOLAMINE

Other adverse effects None known.

DIETHANOLAMINE

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

This product is classified according to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008.

Contains no substances with Annex XVII restrictions

Dishguard

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Revision date : 05/04/2016

Data sources : According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Full text of H- and EUH-statements:

Acute Tox. 4	Acute Toxicity, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Dam 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity - Repeated exposure, Category 2
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long-lasting effects
H412	Harmful to aquatic life with long lasting effects

EU GHS SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.