

SAFETY DATA SHEET GOLDSHIELD 85

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name GOLDSHIELD 85
Product No. GS 85

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

Identified uses Multi surface cleaner, High Level Disinfection and protection for healthcare environments. Effective against MRSA, E.coli, C.diff, Pseudomonas, Salmonella and H1N1.
Uses advised against Not for personal cleansing. Not for cleaning clothing.

1.3. Details of the supplier of the safety data sheet

Supplier Goldshield Industries (Europe) Ltd.
Unit C
Lincoln Lodge Farm
Station Road
Castlethorpe
MK19 7HJ
T: +44 (0) 1908 745 530
Web: www.goldshieldindustries.co.uk
E: info@goldshieldind.co.uk

1.4. Emergency telephone number

+44 (0) 1908 745 530
Monday - Friday 08:00 - 16:00

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

Classification (1999/45/EEC)

Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

2.2. Label elements

Detergent Labelling

< 5%	non-ionic surfactants EDTA and salts thereof disinfectants
Contains	D-LIMONENE

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

Precautionary Statements

P102	Keep out of reach of children.
P103	Read label before use.
P262	Do not get in eyes, on skin, or on clothing.
P260	Do not breathe vapour/spray.

Supplemental label information

EUH208	Contains d-LIMONENE. May produce an allergic reaction.
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2.3. Other hazards

GOLDSHIELD 85

PBT/ vPvB assessment: Not determined.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALCOHOLS, C12-16, ETHOXYLATED		1-5%
CAS-No.: 68551-12-2	EC No.: 500-221-7	
Classification (EC 1272/2008) Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R41.	
2-BUTOXYETHANOL		1-5%
CAS-No.: 111-76-2	EC No.: 203-905-0	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xn;R20/21/22 Xi;R36/38	
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE		< 1%
CAS-No.: 64-02-8	EC No.: 200-573-9	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22 Xi;R41	
d-LIMONENE		< 1%
CAS-No.: 5989-27-5	EC No.: 227-813-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) R10 R43 Xi;R38 N;R50/53	
3-TRIHYDROXSILYLPROPYLDIMETHYLOCTADECYLAMMONIUM CHLORIDE		< 1%
CAS-No.: 199111-50-7	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
PENTAERYTHRITOL		< 1%
CAS-No.: 115-77-5	EC No.: 204-104-9	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	

GOLDSHIELD 85

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention.

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention.

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

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact

Prolonged skin contact may cause redness and irritation. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

Eye contact

May cause temporary eye irritation.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire, toxic gases may be formed. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Hydrogen chloride (HCl). Silicon oxides.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

In case of fire, toxic gases may be formed. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Hydrogen chloride (HCl). Silicon oxides.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Move container from fire area if it can be done without risk. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

GOLDSHIELD 85

Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

In case of spills, beware of slippery floors and surfaces. Wear necessary protective equipment. Ventilate well. Stop leak if possible without risk. DO NOT touch spilled material! Mop, wipe or soak up with absorbent and contain for later disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage. Use appropriate containment to avoid environmental contamination.

6.4. Reference to other sections

For personal protection, see section 8. See section 11 for more detailed information on health effects and symptoms. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear protective clothing as described in Section 8 of this safety data sheet. Read and follow manufacturer's recommendations. Avoid contact with eyes. Avoid discharge to the aquatic environment. Allow to dry thoroughly before re-using the cleaned/ treated object (refer to manufacturer's instructions/ recommendations).

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Store in closed original container at temperatures between 10°C and 27°C. Store in a dry place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-BUTOXYETHANOL	WEL	25 ppm	123 mg/m ³	50 ppm	246 mg/m ³	Sk
PENTAERYTHRITOL	WEL		4 mg/m ³		20 mg/m ³	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

8.2. Exposure controls

Engineering measures

Provide adequate ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Protective gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Avoid contact with eyes. Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hygiene measures

When using do not eat, drink or smoke. Wash hands after handling. Wash contaminated clothing before reuse.

Environmental Exposure Controls

Keep container tightly sealed when not in use. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Not noted.
Odour	Lemon.
Solubility	Soluble in water.
Initial boiling point and boiling range (°C)	Not determined.

GOLDSHIELD 85

Melting point (°C)

Not determined.

Relative density

Comparable to water.

Vapour density (air=1)

Not determined.

Vapour pressure

Not determined.

Evaporation rate

Not determined.

pH-Value, Conc. Solution

Not determined.

Viscosity

Not determined.

Decomposition temperature (°C)

Not determined.

Odour Threshold, Lower

Not determined.

Odour Threshold, Upper

Not determined.

Flash point (°C)

Not determined.

Auto Ignition Temperature (°C)

Not determined.

Flammability Limit - Lower(%)

Not determined.

Flammability Limit - Upper(%)

Not determined.

Partition Coefficient

(N-Octanol/Water)

Not determined.

Explosive properties

Not considered to be explosive.

Oxidising properties

Does not meet the criteria for oxidising.

9.2. Other information

Not known.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reaction with: Acids. Alkalis. Strong oxidising agents. Strong reducing agents. anionic surfactants

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Not known.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials**Materials To Avoid**

Acids. Alkalis. Strong oxidising agents. Strong reducing agents. anionic surfactants

10.6. Hazardous decomposition products

None at ambient temperatures. In case of fire, toxic gases (CO, CO₂, NO_x) may be formed. Refer to: Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Acute Toxicity (Oral LD50)

No information available.

Based on available data the classification criteria are not met.

Acute Toxicity (Dermal LD50)

No information available.

Based on available data the classification criteria are not met.

Acute Toxicity (Inhalation LC50)

No information available.

Based on available data the classification criteria are not met.

Skin Corrosion/Irritation:

Not irritating. However, Prolonged skin contact may cause redness and irritation.

Serious eye damage/irritation:

Not Irritating.

Respiratory or skin sensitisation:

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

Germ cell mutagenicity:

Genotoxicity - In Vitro

No information available.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

No information available.

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

No information available.

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

No information available.

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

Toxicological information on ingredients.

GOLDSHIELD 85
2-BUTOXYETHANOL (CAS: 111-76-2)

Acute toxicity:

Acute Toxicity (Oral LD50)

~ 1746 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

~ 0.63 mL/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

2.4 mg/l (vapours) Rat 4 hours

REACH dossier information

Skin Corrosion/Irritation:

Irritating.

Serious eye damage/irritation:

Irritating.

Respiratory or skin sensitisation:

Skin sensitisation

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information

Not Sensitising.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

NOAEL 125 ppm Inhalation. Mouse

REACH dossier information

Limited evidence of carcinogenic effect in animal studies, however there is good evidence to support the conclusion that these findings are not relevant to humans.

Target organ for carcinogenicity

stomach Spleen Liver Heart & cardiovascular system

Reproductive Toxicity:

Reproductive Toxicity - Fertility

NOAEL 720 mg/kg/day Oral Mouse P Two-generation study:

REACH dossier information

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEC <31 ppmV/6hr/day Inhalation. Rat

REACH dossier information

Target Organs

Blood

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

GOLDSHIELD 85
d-LIMONENE (CAS: 5989-27-5)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

REACH dossier information

Based on available data the classification criteria are not met.

Acute Toxicity (Dermal LD50)

Inconclusive data.

> 2000 mg/kg Rabbit

REACH dossier information

Inconclusive data.

Acute Toxicity (Inhalation LC50)

No information available.

Skin Corrosion/Irritation:

Erythema/Eschar score

Well defined erythema (2).

Oedema score

Slight oedema - edges of area well defined by definite raising (2).

REACH dossier information

Not irritating.

Serious eye damage/irritation:

Not Irritating.

Respiratory or skin sensitisation:

Skin sensitisation

Local Lymph Node Assay (LLNA) Mouse

REACH dossier information

Sensitising.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

DNA damage and/or repair:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

Actual dose: 250-1000 mg/kg/day Oral Mouse

REACH dossier information

This substance has no evidence of carcinogenic properties.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

No information available.

REACH dossier information

Reproductive Toxicity - Development

Inconclusive data.

Maternal toxicity: NOAEL 591 mg/kg Oral Guinea Pig

REACH dossier information

Inconclusive data.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 600 mg/kg Oral Rat

REACH dossier information

Target Organs

No specific target organs noted

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

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

~ 1780 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

No information available.

Acute Toxicity (Inhalation LC50)

Not determined.

LOAEC ~30 mg/m³(aerosol). Rat. 6hrs/day for 5days. REACH dossier information Estimated Value

Skin Corrosion/Irritation:

Not irritating.

Serious eye damage/irritation:

Risk of serious damage to eyes. Possible risk of irreversible effects.

Respiratory or skin sensitisation:

Skin sensitisation

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information

Not Sensitising.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Gene Mutation:

REACH dossier information Estimated Value

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

NOAEL 938 mg/kg/day Oral Mouse

REACH dossier information Estimated Value

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Multigeneration study: NOAEL >250 mg/kg/day Oral Rat P

REACH dossier information Estimated Value

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL >500 mg/kg/day Oral Rat

REACH dossier information Estimated Value

Target Organs

Liver

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

GOLDSHIELD 85

3-TRIHYDROXYSILYLPROPYLDIMETHYLOCTADECYLAMMONIUM CHLORIDE (CAS: 199111-50-7)

Toxicological information

No data on possible toxicological effects have been found. However, a structurally-related chemical shows irritant properties towards the eye.

PENTAERYTHRITOL (CAS: 115-77-5)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5110 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 10000 mg/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

Inconclusive data.

> 0.85 mg/l (dust/mist) Rat 4 hours

REACH dossier information

ALCOHOLS, C12-16, ETHOXYLATED (CAS: 68551-12-2)

Acute toxicity:

Acute Toxicity (Oral LD50)

Inconclusive data.

~ 500 mg/kg Rat

Miscellaneous Supplier's Data.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ecological information on ingredients.

3-TRIHYDROXYSILYLPROPYLDIMETHYLOCTADECYLAMMONIUM CHLORIDE (CAS: 199111-50-7)

Ecotoxicity

No data on possible environmental effects have been found. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

GOLDSHIELD 85

Ecological information on ingredients.

2-BUTOXYETHANOL (CAS: 111-76-2)

Acute Toxicity - Fish

LC50 96 hours 1474 mg/l Onchorhynchus mykiss (Rainbow trout)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours ~ 1800 mg/l Daphnia magna

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours 911 mg/l Pseudokirchnerella subcapitata (Raphidocelis subcapitata)

REACH dossier information

Chronic Toxicity - Fish Early life Stage

NOEC 21 days > 100 mg/l Brachydanio rerio (Zebra Fish)

REACH dossier information

Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days 100 mg/l Daphnia magna

REACH dossier information

d-LIMONENE (CAS: 5989-27-5)

Acute Toxicity - Fish

LC50 96 hours 0.72 mg/l Pimephales promelas (Fat-head Minnow)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 0.36 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours 150 mg/l

Acute Toxicity - Microorganisms

EC50 3 hours 209

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Acute Toxicity - Fish

LC50 96 hours 121 mg/l Lepomis macrochirus (Bluegill)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 24 hours 610 mg/l Daphnia magna

REACH dossier information

Acute Toxicity - Microorganisms

EC20 30 min > 500 mg/l Activated sludge

REACH dossier information Estimated Value

Chronic Toxicity - Fish Early life Stage

NOEC 35 days > 25.7 mg/l Brachydanio rerio (Zebra Fish)

REACH dossier information Estimated Value

Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days 25 mg/l Daphnia magna

REACH dossier information Estimated Value

3-TRIHYDROXYSILYLPROPYLDIMETHYLOCTADECYLAMMONIUM CHLORIDE (CAS: 199111-50-7)

Acute Fish Toxicity

No data available.

PENTAERYTHRITOL (CAS: 115-77-5)

Acute Toxicity - Fish

LC50 96 hours > 100 mg/l Oryzias latipes (Red killifish)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 24 hours > 1000 mg/l Daphnia magna

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours > 1000 mg/l Selenastrum capricornutum

REACH dossier information Estimated Value

ALCOHOLS, C12-16, ETHOXYLATED (CAS: 68551-12-2)

Acute Toxicity - Fish

LC50 96 hours ~ 1 - 10 mg/l Brachydanio rerio (Zebra Fish)

Miscellaneous Supplier's Data. Estimated Value

Acute Toxicity - Microorganisms

GOLDSHIELD 85

EC50 > 1000 mg/l total bacteria
Miscellaneous Supplier's Data.

12.2. Persistence and degradability

Degradability

The surfactant(s) contained in this preparation 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.

2-BUTOXYETHANOL (CAS: 111-76-2)

Biodegradation

Water Degradation (90.4%) 28 days
REACH dossier information
The substance is readily biodegradable.

d-LIMONENE (CAS: 5989-27-5)

Phototransformation

Air. Half-life: 0.365 hours
REACH dossier information

Stability (Hydrolysis)

Not available.
REACH dossier information

Biodegradation

Water Degradation (60%) > 14 days
REACH dossier information
The substance is readily biodegradable.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Biodegradation

Water Degradation (10%) 28 days
REACH dossier information
Water Degradation (90%) 60 days
Maintained pH 8.5 during test. REACH dossier information Estimated Value

ALCOHOLS, C12-16, ETHOXYLATED (CAS: 68551-12-2)

Biodegradation

Degradation (>80%) 28 days
Miscellaneous Supplier's Data.
The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not determined.

GOLDSHIELD 85

Ecological information on ingredients.

2-BUTOXYETHANOL (CAS: 111-76-2)

Bioaccumulative potential

No data available on bioaccumulation.

d-LIMONENE (CAS: 5989-27-5)

Bioaccumulation factor

BCF 864.8 L/Kg

REACH dossier information Estimated Value

Partition coefficient

log Kow 4.38

REACH dossier information

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Bioaccumulation factor

BCF ~ 1.1 - 1.8 Lepomis macrochirus (Bluegill)

REACH dossier information

3-TRIHYDROXYSILYLPROPYLDIMETHYLOCTADECYLAMMONIUM CHLORIDE (CAS: 199111-50-7)

Bioaccumulative potential

No data available on bioaccumulation.

PENTAERYTHRITOL (CAS: 115-77-5)

Bioaccumulative potential

Will not bio-accumulate.

Partition coefficient

log Kow ~ 1.7

REACH dossier information

ALCOHOLS, C12-16, ETHOXYLATED (CAS: 68551-12-2)

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is water soluble and may spread in water systems.

Ecological information on ingredients.

2-BUTOXYETHANOL (CAS: 111-76-2)

Mobility:

Miscible with water

d-LIMONENE (CAS: 5989-27-5)

Adsorption/Desorption Coefficient

Koc 6324

REACH dossier information

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Mobility:

Soluble in water.

3-TRIHYDROXYSILYLPROPYLDIMETHYLOCTADECYLAMMONIUM CHLORIDE (CAS: 199111-50-7)

Mobility:

Soluble in water.

PENTAERYTHRITOL (CAS: 115-77-5)

Mobility:

Soluble in water.

ALCOHOLS, C12-16, ETHOXYLATED (CAS: 68551-12-2)

Mobility:

Soluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

GOLDSHIELD 85

Ecological information on ingredients.

2-BUTOXYETHANOL (CAS: 111-76-2)

Not Classified as PBT/vPvB by current EU criteria.

d-LIMONENE (CAS: 5989-27-5)

Not Classified as PBT/vPvB by current EU criteria.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Not Classified as PBT/vPvB by current EU criteria.

3-TRIHYDROXYSILYLPROPYLDIMETHYLOCTADECYLAMMONIUM CHLORIDE (CAS: 199111-50-7)

Not determined.

PENTAERYTHRITOL (CAS: 115-77-5)

Not Classified as PBT/vPvB by current EU criteria.

ALCOHOLS, C12-16, ETHOXYLATED (CAS: 68551-12-2)

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

None known.

Ecological information on ingredients.

2-BUTOXYETHANOL (CAS: 111-76-2)

None known.

d-LIMONENE (CAS: 5989-27-5)

None known.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

None known.

3-TRIHYDROXYSILYLPROPYLDIMETHYLOCTADECYLAMMONIUM CHLORIDE (CAS: 199111-50-7)

None known.

PENTAERYTHRITOL (CAS: 115-77-5)

None known.

ALCOHOLS, C12-16, ETHOXYLATED (CAS: 68551-12-2)

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product should be completely used up, and container should be empty before disposal. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

This classification has been derived in accordance with (EC)1272/2008 (CLP) Annex VII.

Revision Comments

Change to supplier's address. Change to description of use in Section 1.2.

Revision Date 04-2014

Revision 1

Supersedes date 04-2013

Risk Phrases In Full

R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Disclaimer

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.