

Eco Wash Green

According to EC-Regulation 2015/830

Section 1. Identification of the substance and of the company/undertaking

Company details:

Protectcoat International
Spinding 16
5431 SN CUIJK
The Netherlands
+31 (0)85-0655797
www.protectcoatint.com

Trade name : Eco Wash Green

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

Cleaning liquid

1.3 Emergency telephone number:

EU: call 112

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Skin Corr. 1B; H314

Eye Dam. 1; H318

See full text of H-phrases in section 2.2.

2.2 Label elements



Signal word:

Danger

Hazard statements

H314 Causes severe skin burns and eye damage

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Section 2. Hazards Identification

Precautionary Statements

General: If medical advice is needed, have product container or label at hand. (P101).

Keep out of reach of children. (P102).

Prevention: Do not breathe mist/vapours/fume/spray. (P260).

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. (P303+P361+P353). IF IN EYES: Rinse cautiously with water for several minutes. Remove cont

Storage: Store in a well-ventilated place. Keep container tightly closed. (P403+P233).

Disposal: Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Fettalkoholethoxylat; 1-Heptanol, 2-propyl-, 8EO; potassium hydroxide

Additional labelling

Not applicable

Unique formula identifier (UFI)

917R-WFVN-Y202-8JQE

2.3. Other hazards

Not applicable

Additional warnings

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

VOC (volatile organic compound)

Not applicable

Section 3. Composition information on ingredients

NAME: Fettalkoholethoxylat
IDENTIFICATION NOS.: CAS-no: 166736-08-9
CONTENT: 2.5 - <5%
CLP CLASSIFICATION: Acute Tox. 4, Eye Dam. 1
H302, H318

NAME: 1-Heptanol, 2-propyl-, 8EO
IDENTIFICATION NOS.: CAS-no: 160875-66-1
CONTENT: 2.5 - <5%
CLP CLASSIFICATION: Acute Tox. 4, Eye Dam. 1
H302, H318

NAME: potassium hydroxide
IDENTIFICATION NOS.: CAS-no: 1310-58-3 EC-no: 215-181-3 REACH-no: 01-2119487136-33 Index-no: 019-002-00-8
CONTENT: 1 - <2.5%
CLP CLASSIFICATION: Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A
H290, H302, H314

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Other information

ATEmix(oral) > 2000 Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 2.2968 - 3.4452 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 3.04 - 4.56

Detergent:

5 - 15%: NON-IONIC SURFACTANTS

Section 4. First aid measures

4.1 Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water.

Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

Ingestion

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects. This product contains substances that may trigger an allergic reaction to predisposed persons. This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

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Section 5. Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Halogenated compounds. Nitrogen oxides. Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from spilled material. Avoid direct contact with spilled substances.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures

Section 7. Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

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Section 8. Exposure controls – personal protection

8.1. Control parameters

OEL

potassium hydroxide Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³ Short-term exposure limit (15-minute reference period): - ppm | 2 mg/m³

DNEL / PNEC

DNEL (potassium hydroxide): 1mg/m³ Exposure: Inhalation Duration of Exposure: Long term – Local effects - Workers DNEL (potassium hydroxide): 1mg/m³ Exposure: Inhalation Duration of Exposure: Long term – Local effects - General population

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

There is no appendix to this safety data sheet.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment.



Generally

Use only CE marked protective equipment.

Respiratory Equipment

If ventilation at the work place is insufficient, use a half- or full mask with an appropriate filter or an air-supplied breathing apparatus depending on the specific work situation and how long you will be using the product.

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Skin protection

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

Hand protection

Butyl rubber Breakthrough time: > 480 minutes (Class 6)

Eye protection

Wear safety glasses with side shields

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Green
Odour	Mild
Odour threshold (ppm)	No data available.
pH	13,2
Viscosity (40°C)	No data available.
Density (g/cm ³)	1.03

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

Data on fire and explosion hazards

Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
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Section 10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Nothing special

10.5. Incompatible materials

Strong acids, strong bases and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Substance: potassium hydroxide

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 333.0

Substance: 1-Heptanol, 2-propyl-, 8EO

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >300-2000 mg/kg

Substance: Fettalkoholethoxylat

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 300-2000 mg/kg

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Section 11. Toxicological information

Skin corrosion/irritation

Causes severe skin burns and eye damage

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects. This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Section 12. Ecological information

12.1 Toxicity

Substance: Potassium hydroxide

Species: Fish

Test: LC50

Duration: 96 h

Result: 80mg/l

Substance: Potassium hydroxide

Species: Daphnia

Test: EC50

Duration: 48 h

Result: 40-240 mg/l

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Substance: 1-Heptanol, 2-propyl-, 8EO

Species: Fish

Test: LC50

Duration: 96h

Result: 10-100 mg/l

Substance: 1-Heptanol, 2-propyl-, 8EO

Species: Daphnia

Test: EC50

Duration: 48h

Result: 10-100 mg/l

Substance: 1-Heptanol, 2-propyl-, 8EO

Species: Algae

Test: EC50

Duration: 72h Result: 10-100 mg/l

Substance: 1-Heptanol, 2-propyl-, 8EO

Species: Fish

Test: NOEC Duration:

Result: >1 mg/l

12.2. Persistence and degradability

Substance

1-Heptanol, 2-propyl-, 8EO

Fettalkoholethoxylat.

Biodegradability

Yes

Yes

Test

Closed bottle test

CO2 Evolution Test

Result

>60%

>60%

12.3. Bioaccumulative potential

Substance

1-Heptanol, 2-propyl-, 8EO

Potential bioaccumulation LogPow

No

BCF

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

Nothing Special

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Section 13. Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

20 01 29* detergents containing dangerous substances

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

Section 14. Transport Information

14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number 1760

14.2. UN proper shipping name CORROSIVE LIQUID, N.O.S

14.3. Transport hazard class(es) 8

14.4. Packing group III Notes - Tunnel restriction code E

IMDG

UN-no. 1760

Proper Shipping Name CORROSIVE LIQUID, N.O.S

Class 8

PG* III

EmS - MP** No

Hazardous constituent –

IATA/ICAO

UN-no. 1760

Proper Shipping Name CORROSIVE LIQUID, N.O.S.

Class 8

PG* III

14.5. Environmental hazards

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14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group | (**) Marine pollutant

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Section 15. Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education

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Additional information

Not applicable.

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Biocidal reg. no.

Not applicable

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. 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 (CLP). Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

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Section 16. Other information

The full text of identified uses as mentioned in section 1

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The full text of identified uses as mentioned in section 3

H290 - May be corrosive to metals.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on: The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) The classification of the mixture in regard of skin corrosion and serious eye damage is based on the pHcriterion given by Regulation (EC) No. 1272/2008 (CLP)It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

16.6 Additional information available from:

Protectcoat International

Postbus 36

5430 AA CUIJK

+31(0)85 0655797

www.protectcoatint.com

Last update: 01/01/2022