Protectcoat EFR

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 : Protectcoat EFR

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
STOT SE 3; H412
Aquatic Chronic 3; H412

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
May cause respiratory irritation. (H335)
Harmful to aquatic life with long lasting effects. (H412)

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Section 2. Hazards Identification

Precautionary Statements
General: –
Prevention: Do not breathe mist/vapours/fume/spray. (P260). Wear eye protection/protective clothing/protective gloves. (P280).
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 contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
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).EU: call 112

Identity of the substances primarily responsible for the major health hazards
Urea hydrochloride
Additional labelling
Contains Benzotriazol, ar-methyl-, reaction prod with formaldehyde & diethanolamine, 1,3-diethyl-2-thiourea. May produce an allergic reaction. (EUH208).
Unique formula identifier (UFI)
917R-WFVN-Y202-8JQE
2.3. Other hazards
Not applicable
Additional warnings
Not applicable
VOC (volatile organic compound)
Not applicable

Section 3. Composition information on ingredients

NAME:	Urea hydrochloride
IDENTIFICATION NOS.:	CAS-no: 506-89-8 EC-no: 208-059-6
CLP CLASSIFICATION:	STOT SE 3, Skin Irrit. 2, Eye Irrit. 2 H315, H319, H335
NAME:	Quaternary ammonium compounds, C12-14-alkyltrimethyl, Me sulfates
IDENTIFICATION NOS.:	CAS-no: 96690-44-7 EC-no: 306-238-4 REACH-no: 01-2120770734-48
NAME:	1,3-diethyl-2-thiourea
IDENTIFICATION NOS.:	CAS-no: 105-55-5 EC-no: 203-308-5 REACH-no: 01-2119974271-37
CLP CLASSIFICATION:	Acute Tox. 4, Skin Sens. 1B, Eye Dam. 1, Aquatic Chronic 3 H302, H317, H318, H412

ATEmix(dermal) > 2000 ATEmix(oral) > 2000 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 4.68 - 7.02 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 4.68 - 7.02 N chronic (CAT 3) Sum = Sum(Ci/(M(chronic)i*25)*0.1*10^CATi) = 1.6 - 2.4 N acute (CAT 1) Sum = Sum(Ci/M(acute)i*25) = 0.16 - 0.24 Detergent < 5%: CATIONIC SURFACTANTS.

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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

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin 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

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

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. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. 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

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

DNEL / PNEC

No data available

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

There is no appendix to this safety data sheet.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

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 airsupplied breathing apparatus depending on the specific work situation and how long you will be using the product.

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

Wear protective gloves. The specific work situation is unknown. Contact the suppliers of the gloves for further advice regarding the appropriate glove type. Please note that elastic gloves stretch when used. The thickness of the gloves, and therefore their penetration time, will be reduced. Moreover, the temperature of the glove in use is about 35°C, while the standard test, EN 374-3, is done at 23°C. The penetration time is therefore reduced by a factor of 3.

Eye protection

Wear safety glasses with side shields.

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Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Yellow
Odour	Sour
Odour threshold (ppm)	No data available.
pH	0.5
Viscosity (40°C)	No data available.
Density (g/cm³)	No data available.
Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	100
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.

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.

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Section 11. Toxicological information

11.1 Information on toxicological effects

Stable at normal ambient temperature and pressure.

Acute toxicity

Substance: Urea hydrochloride
Species: Rat
Test: LD50 Route of exposure: Oral
Result: 1121mg/kg

Skin corrosion/irritation

Causes severe skin burns and eye damage

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

This product contains substances that may trigger an allergic reaction to predisposed persons.

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.

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Section 12. Ecological information

12.1 Toxicity

Substance: 1,3-diethyl-2-thiourea
Species: Fish
Test: LD50
Duration: 96 h
Result: 910 mg/l

Substance: 1,3-diethyl-2-thiourea
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 56 mg/l

Substance: 1,3-diethyl-2-thiourea
Species: Algae Test: EC50 Duration: 72 h
Result: 310 mg/l

12.2. Persistence and degradability

Substance	Biodegradability
1,3-diethyl-2-thiourea	No
Quaternary ammonium compounds,...	Yes
Urea hydrochloride	Yes

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation
1,3-diethyl-2-thiourea	No
Urea hydrochloride	No

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

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which may cause adverse long-term effects to the aquatic environment.

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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 –

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 3265

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

14.3. Transport hazard class(es) 8

14.4. Packing group II Notes - Tunnel restriction code E

IMDG

UN-no. 3265 Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. Class 8 PG* II EmS - MP**

No Hazardous constituent –

IATA/ICAO

UN-no. 3265 Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. Class 8 PG* II

14.5. Environmental hazards

–

14.6. Special precautions for user

–

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

No data available

(*) Packing group | (**) Marine pollutan

Protectcoat EFR

According to EC-Regulation 2015/830

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

-

Additional information

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.

Seveso

-

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

Section 16. Other information

Full text of H-phrases as mentioned in section 3

H302 - Harmful if swallowed.
H311 - Toxic in contact with skin.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H372 - Causes damage to organs through prolonged or repeated exposure¤.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
H412 - Harmful to aquatic life with long lasting effects.

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Section 16. Other information

The full text of identified uses as mentioned in section 1

-

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 environmental 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

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