



SAFETY DATA SHEET
Kilfrost SF10 Cleaning Fluid

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 Kilfrost SF10 Cleaning Fluid

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

Identified uses Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier Kilfrost Limited
Albion Works
HALTWHISTLE
Northumberland
NE49 0HJ
ENGLAND
Tel: (01434) 320332
Fax: (01434) 321463
Email: info@kilfrost.com

1.4. Emergency telephone number

+44 (0) 1434 320332 (09:00 - 17:00, Mon-Fri) or +44 (0) 7760 627598 (24 hours)

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.

2.2. Label elements

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

No pictogram required.

Supplemental label information

EUH210 Safety data sheet available on request.

2.3. Other hazards

No other information noted.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

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TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

1-5%

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

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

General information

Treat Symptomatically.

Inhalation

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Skin contact

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if any discomfort continues.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

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

Inhalation

No specific symptoms noted.

Ingestion

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

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Fire can be extinguished using: Water spray, foam, dry powder or carbon dioxide. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Water spray should be used to cool containers. Avoid breathing fire vapours.

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

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6.2. Environmental precautions

Contain spillages with sand, earth or any suitable adsorbent material. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Absorb spillage with non-combustible, absorbent material. Collect in containers and seal securely. Remove containers and flush area with water. For waste disposal, see section 13.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid inhalation of vapours/spray and contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Unsuitable containers: metals. Avoid frost.

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

Ingredient Comments

No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide sufficient ventilation during operations which cause vapour formation.

Respiratory equipment

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

Hand protection

Use protective gloves. Rubber (natural, latex).

Eye protection

Wear approved safety goggles.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash hands after handling. Wash contaminated clothing before reuse.

Environmental Exposure Controls

Keep container tightly sealed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Light brown.
Odour	Odourless.
Solubility	Miscible with water

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Initial boiling point and boiling range (°C)	100 - 360 @ 1013 hPa
Melting point (°C)	0
Relative density	1.165 @ 20
Vapour pressure	2332 Pa @ 20
Evaporation rate	0.3 (EtOH=1)
pH-Value, Conc. Solution	8.0
Viscosity	1 mPas @ 20
Decomposition temperature (°C)	>200

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not relevant

10.4. Conditions to avoid

The solution is strongly alkaline and reacts with strong acids with heat generation.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Unsuitable containers: metals.

10.6. Hazardous decomposition products

None under normal conditions. In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Acute Toxicity (Oral LD₅₀)

> 2000 mg/kg Rat

Skin contact

Prolonged and frequent contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

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Mobility:

The product is miscible with water. May spread in water systems.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

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

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.

Health and Environmental Listings

Composition by regulation (EC) 648/2004: Phosphonates 15<30%, EDTA and salts thereof <5%, Amphoteric surfactants <5%

Water hazard classification

WGK 2

15.2. Chemical Safety Assessment

Kilfrost SF10 Cleaning Fluid

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

Only trained personnel should use this material.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 04/02/2014

Revision 2

Supersedes date 18/07/2013

Safety Data Sheet Status Approved.

Risk Phrases In Full

R22 Harmful if swallowed.

NC Not classified.

R41 Risk of serious damage to eyes.

Hazard Statements In Full

H302 Harmful if swallowed.

H318 Causes serious eye damage.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.