

MATERIAL SAFETY DATA SHEET

(EC Directive 2001/58)

Nilfisk EDS UltraPack Light-Duty

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- Identification of the preparation Nilfisk EDS UltraPack Light-Duty
- Use of the preparation Ecological ultra-concentrate multi-purpose detergent
- Commercial size Can 4,5 Kg
- Company/undertaking identification:
 - Producer SUTTER Industries S.p.A.-15060 Borghetto Borbera (AL) Italy
 - Supplier NILFISK/ADVANCE A/S, Sognevej 25, 2605 Broendby (Denmark)
- Emergency telephone (+39)02 66101029 . Niguarda Cà Granda Hosp MILANO (Italy)
- Information (+45) 43 23 81 00

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients that presents hazard following the EEC Dir. 67/548, EC Dir. 99/45 and successive Adaptings to the Technical Progress:

• Substance name	EINECS	C.A.S.	R	TLV/TWA (mg/m3)	Conc. (%)
Fatty alcol alcoxylated	polymer	68551-13-3	R36/38	n.d.	5 - 10
Sodium alkyl sulphonate	226-195-4	5324-84-5	R36/38	n.d.	1 - 5
2-Propanol	200-661-7	67-63-0	R11-R36-R67	980	1 - 5
Sodium Carbonate	207-838-8	497-19-8	R36	n.d.	1 - 5
Potassium soap	263-049-10	61789-30-8	R36/38	n.d.	1 - 5
• Composition.				Conc. (%)	
Non-ionic surfactants				5 ÷ 15	
Anionic surfactants				5 ÷ 15	
Polycarboxilates				< 5	
Soap				< 5	
Contains: perfumes, 5- chloro 2- methyl- 2H isothiazol- 3- one,2- methyl- 2H isothiazol- 3- one, limonene, linalool, citral					

3. HAZARDS IDENTIFICATION

- EC Dir. 99/45 classification Irritant
 - Inhalation None
 - Skin contact Irritant. Ready to use (after dilution): none
 - Eye contact Irritant. Ready to use (after dilution): none
 - Ingestion Noxious
- Other information In case of accident or emergency contact the Centro Antiveleni Osp.Niguarda Cà Granda - Pza. Ospedale Maggiore 3 - MILANO (Italy) Tel. (+39) 02 66101029
- Environmental risks None known

4. FIRST AID MEASURES

- General information When doubt may occur or when symptoms continued to be, seek medical advice, show and keep available this sheet. Do not give anything by mouth to people in a faint
- First aid measures when in presence of:
 - Inhalation Not Applicable
 - Skin contact Wash with water. If symptoms continued to be seek medical advice.
 - Eye contact Wash immediately with plenty of water and seek medical advice
 - Ingestion Do not cause vomiting. Seek medical advice. Send to Hospital Service
- Other information None

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5. FIRE FIGHTING MEASURES

- Product classification Not flammable
- Suitable extinguishing media Water spray, foam, CO2.
- Extinguishing media which must not be used for safety reasons None
- Special precautions Not required
- Special exposure hazards arising from the substance or preparation itself, combustion

products, resulting gases None

- Special protective equipment None. Normal protective clothing
- Special protective equipment None. Normal protective clothing
- Other information None

6. ACCIDENTAL RELEASE MEASURES

- Method for cleaning up Absorb with inert material
- Personal precautions such as Recommended gloves and glasses
- Environmental precautions such as Do not release to the environment. See point 13
- For emergency inform Competent authority

7. HANDLING AND STORAGE

Follow the local legislation about workers security

- Handling - personal protection Gloves. Glasses for long and frequent use
- Storage - general precautions Cool place
- Storage - particular precautions Cool place. Avoid heat and sun light

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure limits values Not Applicable. See the point 2 for the values of the constituent substances

Source and Information ACGIH (American Conference of Governmental Industrial Hygienists)

- Exposure controls:
Occupational exposure controls Gloves recommended for long and frequent contact
- Personal protection means :
Respiratory protection Not required
Eyes protection Glasses recommended
Hands protection Rubber gloves (EN 374 category III, EN 388) or other advised from the supplier

Skin protection Boots (EN 347) when great release occur
- Environmental exposure control Do not release to the aquatic environment

9. PHYSICALS AND CHEMICALS PROPERTIES

- Appearance, color, odour Liquid, yellow, flowers
- Solubility in:
Water Complete
Polar organic solvents (Ethyl Alcohol) Complete
No polar organic solvents (n-Octanol) Partial
- Relative density (20/4) 1,03
- Boiling point approx 100°C
- Flash point > 65°C
- pH (1% in water) approx 10
- pH 10 - 11

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10. STABILITY AND REACTIVITY

- Stability Stable product
- Conditions to avoid No particular requirement
- Materials to avoid None particular
- Hazardous decomposition products None

11. TOXICOLOGICAL INFORMATION

- Oral toxicity Noxious
- Skin toxicity Irritant
- Inhalation toxicity None
- Eye toxicity Irritant
- Long term exposure for skin contact Irritant
- Long term exposure for inhalation Slightly irritant
- Long term exposure for eye contact Irritant
- Corrosive effects for skin contact Irritant
- Corrosive effects for mucus contact Irritant
- Corrosive effects for eye contact Irritant

12. ECOLOGICAL INFORMATION

- Ecotoxicity None following the EC Dir. 99/45. LC50 96h for fish, EC50 46h for daphnia, IC50 72h for alga > 100 mg/l
- Mobility None known. Look at point 9
- Persistence and degradability Biodegradability of the copounds surfactants following the EC Regulation 2004/648. None adverse effect on the sewage treatment plants is known.
- Bioaccumulative potential None known. Octanol/water distribution coefficient Kow < 1000
- Other adverse effect The product does not increase the AOX (Adsorbible Organic Alogenates) contents in the waste waters

13. DISPOSAL CONSIDERATIONS

- Waste classification Special/Hazardous (EC Dir., 91/156,91/689,94/62 Dec. 2000/532, 2001/118,2001/119,2001/573)
- Material elimination In case of surplus or waste resulting from not utilization treat like "special waste" and sent to an authorized destroyer

If release occur DO NOT wash with water, but absorb with plenty of inertial material (saw dust) and pick up the obtained mixture. Follow the possible precautions and use the protective clothes that are described at step n°8. The material so gathered and ma
- Container elimination After use do not release in the environment, but send to disposal following the local legislation about wastes

14. TRANSPORT INFORMATION

- Road transport. Class and code ADR Not classified
- Sea transport. IMDG code Not classified
- Air transport. ICAO/IATA code Not classified

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15. REGULATORY INFORMATION

- EC Dir. 99/45 and its Adaptings to the

Technical progress labelling IRRITANT



- Risk phrases (R) R43 - May cause sensitization by skin contact

R36/38 - Irritating to eyes and skin

- Safety advices (S) S2 - Keep out of the reach of children

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Don't swallow

16. OTHER INFORMATION

- **This sheet must be available for every medical advice.**

Risk phrases written at points 2 and 3:

R11 - Highly Flammable

R36 - Irritating to eyes

R38 - Irritating to skin

R67 - Vapours may cause drowsiness and dizziness

These information covers only that users , store-keeper etc. needs for safety and are in accordance with our actual condition of knowledge.

They do not guarantee the performances and the quality of product in the law terms.

These informations are available in the technical sheet and in the product control specifications.