

**fiber
ProTector**



SAFETY DATA SHEET

Fiber Protector Fabric Protector Solventbase

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

| | |
|----------------------------|--|
| Product name | Fiber Protector Fabric Protector Solventbase |
| Applications | Impregnation of textiles. |
| Supplier | Fiber ProTector Norge AS Rølfsbuktveien 17 N -1364 Fornebu Norway Tel: +47 23231555 Fax: +47 2323 1550 Eспен@fiberprotector.com http://www.fiberprotector.com |
| Contact person | Eспен J. Vogt |
| Manufacturer | Fiber ProTector Norge AS Rølfsbuktveien 17 N -1364 Fornebu Norway Tel: +47 23231555 Fax: +47 2323 1550 Eспен@fiberprotector.com http://www.fiberprotector.com |
| Emergency telephone number | Emergency Telephone Number: +44 08 45 46 47 (24 hour telephone) - 112 |

2. HAZARDS IDENTIFICATION

Symbol(s)



IRRITANT



HIGHLY
FLAMMABLE

Contains

propan-2-ol
n-butyl acetate

Risk phrases

R-11 Highly flammable.
R-36 Irritating to eyes.
R-67 Vapours may cause drowsiness and dizziness.

Safety phrases

S-38 In case of insufficient ventilation, wear suitable respiratory equipment.
S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S-16 Keep away from sources of ignition - No Smoking.

CLP

Hazard pictograms



Signal word

Danger

Hazard statements

Eye Irrit. 2: H319 Causes serious eye irritation.
Flam. Liq. 2: H225 Highly flammable liquid and vapour.
STOT SE 3: H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

| Name | EC No. | CAS No. | Content | Symbol | Classification |
|-----------------|-----------|----------|----------|--------|------------------|
| propan-2-ol | 200-661-7 | 67-63-0 | 60-100 % | Xi ,F | R-11, R-36, R-67 |
| n-butyl acetate | 204-658-1 | 123-86-4 | 1-10 % | - | R-10, R-66, R-67 |
| Polymer fluor | | | 1-10 % | - | |

CLP

| Name | CAS No. | REACH No. | Content | Symbol | Classification |
|-----------------|----------|-----------|----------|---------------------------|---|
| propan-2-ol | 67-63-0 | | 60-100 % | GHS07, GHS02, , Danger | Eye Irrit. 2: H319, Flam. Liq. 2: H225, STOT SE 3: H336 |
| n-butyl acetate | 123-86-4 | | 1-10 % | | Flam. Liq. 3: H226, STOT SE 3: H336, EUH066 |
| Polymer fluor | | | 1-10 % | | |

Section 16 contains detailed classification phrases.

4. FIRST AID MEASURES

General

Remove affected person from source of contamination. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. If breathing stops, provide artificial respiration. Do not give victim anything to drink if he is unconscious.

Inhalation

Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! Give 5 tablespoons active carbon stirred in as little water as possible. Contact physician.

Skin

Remove contaminated clothing. Wash skin with soap and water. Contact physician if irritation continues.

Eyes

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Water spray, fog or mist. Powder, foam or CO2.

Special fire fighting procedures

Containers close to fire should be removed or cooled with water.

Specific hazards

HIGHLY FLAMMABLE! Solvent vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition.

Hazardous combustion products

Carbon dioxide (CO₂). Carbon monoxide (CO). Hydrocarbons.

Protective measures in fire

Firefighters exposed to combustion gases/decomposition products should use a respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

Personal protection

Use requisite protective equipment - refer to section 8.

Environmental protection

Avoid runoff or release to sewer, waterway or ground.

Spill cleanup methods

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Avoid contact with skin or inhalation of spillage, dust or vapour. Absorb with inert, damp, non-combustible material, then flush area with water. Inform Authorities if large amounts are involved. Flush area with water.

7. HANDLING AND STORAGE

Usage precautions

Wear appropriate personal protective equipment - see Section 8. Be cautious with smoking, open flame, sparks and welding. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. NOTE! Good personal hygiene is important during handling of the product.

Storage precautions

Keep in cool, dry, ventilated storage and closed containers. Keep away from heat, sparks and open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

LT Exp 8 Hrs (Product)

400 ppm

ST Exp 15 Min (Product)

500 ppm

References

WEL.

| Ingredient name | CAS no. | Reference | LT Exp 8 Hrs | ST Exp 15 Min | Date |
|-----------------|----------|-----------|----------------------|-----------------------|------|
| propan-2-ol | 67-63-0 | WEL. | 400/999 ppm/mg/m3 | 500/1250 ppm/mg/m3 | |
| n-butyl acetate | 123-86-4 | WEL. | 150/724 ppm/mg/m3 | | |

Ingredient comments

WEL = Workplace exposure limits, SK= Skin absorbance, Rep= Reproduction, Carc= Carcinogenic, Senz= Sensitisers, Mut= Carcinogenic

Protective equipment**Process conditions**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

Ventilation

Provide adequate general and local exhaust ventilation.

Respirators

If ventilation is insufficient, suitable respiratory protection must be provided. CCROVFuHie, CCR with organic vapour cartridge and fume or high-efficiency filter. DM, Dust and mist respirator.

Protective gloves

For exposure of 4 to 8 hours use gloves made of: Nitrile. Neoprene.

Eye protection

Wear approved safety goggles.

Other Protection

Protective clothing as needed.

Hygienic work practices

No eating or drinking while working with this material. DO NOT SMOKE IN WORK AREA!

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Fluid.

Colour

Clear.

Odour

Fruity.

Solubility description

Immiscible with water. Organic solvents (most).

Boiling point (°C, interval)

82

Pressure**Density (g/cm³)**

0,785

Temperature (°C)**Vapour density (air=1)**

> 1

Vapour pressure

4,3 kPa

Temperature (°C)

20

10. STABILITY AND REACTIVITY**Stability**

Stable at recommended storage and handling conditions.

Hazardous polymerisation

Will not polymerise.

Materials to avoid

Strong oxidising agents.

Hazardous decomp. products

No hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION**Sensitization**

No allergic reaction is known.

Genotoxicity

No known heritable or mutagenic effects.

Carcinogenicity

Contains no components with known carcinogenic effects.

Reproduction toxicity

Contains no components which may cause adverse reproductive effects.

Health hazards, general

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Solvent vapours are hazardous and may cause nausea, sickness and headaches.

Ingestion

May cause discomfort if swallowed. Nausea, vomiting. Diarrhoea.

Skin

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause skin irritation/eczema May be absorbed through the skin.

Eyes

Irritation of eyes and mucous membranes. Vapour or spray may cause eye damage, impaired sight or blindness.

Route of entry

Inhalation. Ingestion.

Target organs

Brain, Central nervous system. Eyes.

COMPONENT:**propan-2-ol****Toxic dose - LD50:**

4710 mg/kg (oral rat)

Toxic dose - LD50 (skin):

12800 mg/kg (skin rabbit)

Toxic conc. - LC50:

72,6 mg/l (inh-rotte)

COMPONENT:**n-butyl acetate****Toxic dose - LD50:**

10768 mg/kg (oral rat)

Toxic dose - LD50 (skin):

> 17600 mg/kg (skin rabbit)

Toxic conc. - LC50:

40 ppm/-- (inhalation rat)

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not regarded as dangerous for the environment.

Mobility

Evaporates fast from water and soil.

Bioaccumulative potential

No bioaccumulation expected.

Persistence and degradability

The chemical is readily biodegradable.

Other adverse effects

Results from from PBT, vPvB assessment: No data.

COMPONENT:

LC 50, 96 Hrs, Fish mg/l:

propan-2-ol

4200 (Rasbora heteromorpha, ikke skadelig)

EC 50, 48 Hrs, Daphnia, mg/l:

13299 (D.magna)

Bioaccumulative potential

Log Pow: 2,97

Partition coefficient (log Pow)

2,97

Persistence and degradability

BOD/COD: 0,3-0,6

84 % deg., 28d, Method: OECD 301D

COMPONENT:

LC 50, 96 Hrs, Fish mg/l:

n-butyl acetate

18 (Pimephales promelas)

EC 50, 48 Hrs, Daphnia, mg/l:

10-100

IC 50, 72 Hrs, Algae, mg/l:

674,7 (Scenedesmus subspicatus)

Bioaccumulative potential

BCF:14 Log Pow: 1,81

Persistence and degradability

BOD5/COD: > 0,5 98 % deg., 28d, Method: OECD 301D

13. DISPOSAL CONSIDERATIONS

General/cleaning

Hazardous waste.

Disposal methods

Confirm disposal procedures with environmental engineer and local regulations.

Waste class

14 06 03* other solvents and solvent mixtures

14. TRANSPORT INFORMATION

Label for conveyance



Proper shipping name (national)

Flammable liquid n.o.s.(2-propanol)

Proper shipping name (international)

Flammable liquid n.o.s.(2-propanol)

ROAD TRANSPORT (ADR):

UN no. road

1993

ADR class no.

3

ADR Hazard labels

3

Classification code

F1

ADR packing group

II

Hazard no. (ADR)

33

RAIL TRANSPORT (RID):

RID class no.

3

RID Hazard labels

3

RID packing group

II

SEA TRANSPORT (IMDG):

UN no. sea

1993

IMDG class

3

IMDG packing group

II

EmS no.

F-E, S-E

AIR TRANSPORT (IATA-DGR / ICAO-TI):

| | |
|-------------------------|--------------|
| UN no., air | 1993 |
| IATA/ICAO class | 3 |
| IATA/ICAO Hazard label | Flamm.liquid |
| IATA/ICAO packing group | II |

15. REGULATORY INFORMATION

EU directives

Regulation 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC, 453/2010/EC. Workplace exposure limits (WEL), UK.

16. OTHER INFORMATION

Explanations to R-phrases in section 3

R-10 Flammable.
R-11 Highly flammable.
R-36 Irritating to eyes.
R-66 Repeated exposure may cause skin dryness or cracking.
R-67 Vapours may cause drowsiness and dizziness.

Explanations to classification in section 3

EUH066 Repeated exposure may cause skin dryness or cracking.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

* Information revised since the previous version of the SDS

Revision comments

Revision 16.03.2010 no. 1: supersede SDS of 19.11.2009. No change of composition or product classification.
Revision 08.12.2011 no. 2: supersede SDS of 16.03.2010. No change of composition or product classification. Prepared in CLP-format and according to CLP00.

Issued by

Essenticon AS Leif Weldingsvei 18 N-3208 Sandefjord, Norge Tlf.: +47 33 42 34 50
Fax: +47 33 42 34 59 www.essenticon.com

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CLP 00

Signature

BH

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