

# SAFETY DATA SHEET

In accordance with 1907/2006 annex II and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Amendment date 2022-09-12  
Replaces SDS issued 2022-07-13  
Revision date 2022-07-13  
Version number 1.1



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name Interspiro PPE Decon Textile Protector

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

Identified uses Waterproofing agent

### 1.3. Details of the supplier of the safety data sheet

Company Lejon Kemi AB  
Fritz Janssons väg 20  
184 70 Åkersberga  
Sweden  
Telephone + 46 (0)8 755 44 35 eller + 46 (0)76 827 00 96  
E-mail info@lejonkemi.se  
Website www.lejonkemi.se

### 1.4. Emergency telephone number

Phone number for emergencies: 999 or 112. The numbers are available 24/7.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Eye Irrit. 2, H319  
– *Classified based on test data*  
(See section 16)

### 2.2. Label elements

Hazard pictogram



Signal word	Warning
Hazard statement	
H319	Causes serious eye irritation
Precautionary statements	
P264	Wash hands thoroughly after handling
P280	Wear eye protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313	If eye irritation persists: Get medical advice/attention

### 2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
<b>2-(2-BUTOXYETHOXY)ETHANOL</b>		
CAS No: 112-34-5 EC No: 203-961-6 Index No: 603-096-00-8 REACH: 01-2119475104-44	Eye Irrit. 2; H319	≥1 - <5 %
<b>SILOXANES AND SILICONES, 3-[(2-AMINOETHYL)AMINO]PROPYL METHYL, DI-METHYL, HYDROXYTERMINATED</b>		
CAS No: 75718-16-0 EC No: 616-256-7	Skin Irrit. 2, Eye Dam. 1; H315, H318	≥2 - <3 %
<b>3-BUTOXYPROPAN-2-OL</b>		
CAS No: 5131-66-8 EC No: 225-878-4 Index No: 603-052-00-8	Skin Irrit. 2, Eye Irrit. 2; H315, H319	≥0.5 - <3 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Generally

In case of concern, or if symptoms occur, call a doctor/physician.

#### Upon breathing in

Fresh air and rest. If symptoms persist seek medical advice.

#### Upon eye contact

Remove contact lenses immediately if possible.

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.

#### Upon skin contact

Remove contaminated clothing.

Wash the skin with soap and water.

If symptoms occur, contact a physician.

#### Upon ingestion

Rinse mouth out thoroughly first with water, then SPIT OUT the rinse water. Drink at least half a litre of water and seek medical advice. DO NOT INDUCE VOMITING.

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

#### Upon eye contact

Irritation.

#### Upon ingestion

May cause irritation of mucous membranes, nausea and vomiting.

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

Symptomatic treatment.

Upon contact with a doctor, make sure to have the label or this safety data sheet with you.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Extinguish with water mist, powder, carbon dioxide or alcoholresistant foam.

### 5.2. Special hazards arising from the substance or mixture

In case of fire, substances hazardous to health, or substances harmful in other respects, may be dispersed.

### 5.3. Advice for firefighters

Protective measures should be taken regarding other material at the site of the fire.

In case of fire use proper breathing apparatus.

Wear full protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Keep unauthorized and unprotected people at a safe distance.

Avoid inhalation and exposure to skin and eyes.

Use recommended safety equipment, see section 8.

Ensure good ventilation.

### 6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

### 6.3. Methods and material for containment and cleaning up

Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.

### 6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Store this product separately from food items and keep it out of the reach of children and pets.

Work in order to avoid spillage. If spillage does occur, address it immediately in accordance with the directions specified in Section 6 of this safety data sheet.

Do not inhale fumes and avoid contact with skin and eyes.

Use recommended safety equipment, see section 8.

Do not eat, drink or smoke in premises where this product is handled.

Wash your hands after using the product.

Remove contaminated clothing.

Wash contaminated clothing before reuse.

Keep away from incompatible products.

Implement appropriate engineering controls if necessary, see Section 8.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach for children.

Store separately from food and animal fodder, incl. utensils or surfaces which have been in contact with these things.

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.

Store tightly, in original packaging.

Protect from frost.

Store at maximum 30 °C.

Do not store close to incompatible materials (see section 10.5).

### 7.3. Specific end use(s)

See identified uses in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National limit values

##### 2-(2-BUTOXYETHOXY)ETHANOL

United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 10 ppm / 67.5 mg/m<sup>3</sup>

Short term exposure limit (STEL) 15 ppm / 101.2 mg/m<sup>3</sup>

#### DNEL

##### 2-(2-BUTOXYETHOXY)ETHANOL

	Type of exposure	Route of exposure	Value
Worker	Acute Local	Inhalation	101.2 mg/m <sup>3</sup>
Consumer	Chronic Systemic	Inhalation	34 mg/m <sup>3</sup>
Worker	Chronic Systemic	Dermal	20 mg/kg bw/d
Worker	Chronic Local	Inhalation	67.5 mg/m <sup>3</sup>
Worker	Chronic Systemic	Inhalation	67.5 mg/m <sup>3</sup>
Consumer	Acute Local	Inhalation	50.6 mg/m <sup>3</sup>
Consumer	Acute Systemic	Oral	1.25 mg/kg
Consumer	Chronic Local	Inhalation	34 mg/m <sup>3</sup>
Consumer	Chronic Systemic	Oral	5 mg/kg bw
Consumer	Chronic Systemic	Dermal	10 mg/kg bw/d

##### 3-BUTOXYPROPAN-2-OL

	Type of exposure	Route of exposure	Value
Consumer	Chronic Systemic	Inhalation	43 mg/m <sup>3</sup>
Worker	Acute Systemic	Dermal	52 mg/kg bw
Worker	Chronic Systemic	Inhalation	147 mg/m <sup>3</sup>
Consumer	Chronic Systemic	Oral	12.5 mg/kg bw
Consumer	Chronic Systemic	Dermal	22 mg/kg bw

## PNEC

### 2-(2-BUTOXYETHOXY)ETHANOL

Environmental protection target	PNEC value
Fresh water	1 mg/l
Freshwater sediments	4 mg/kg
Marine water	0.1 mg/l
Marine sediments	0.4 mg/kg
Food chain	56 mg/kg
Microorganisms in sewage treatment	200 mg/l
Soil (agricultural)	0.4 mg/kg

### 3-BUTOXYPROPAN-2-OL

Environmental protection target	PNEC value
Fresh water	0.525 mg/L
Freshwater sediments	2.36 mg/kg dw
Marine water	0.0525 mg/L
Marine sediments	0.236 mg/kg dw
Microorganisms in sewage treatment	10 mg/L
Soil (agricultural)	0.16 mg/kg dw

## 8.2. Exposure controls

The risks posed by the product or its constituents must be considered in the task specific risk assessment, in accordance with current working environment legislation. The risk assessment should be reviewed regularly and updated if necessary.

### 8.2.1. Appropriate engineering controls

The ventilation in the workplace must ensure an air quality that meets the requirements of the current working environment legislation. Local exhaust ventilation should be used to remove airborne contaminants at the source. Eye-rinsing facilities shall be available at the workplace.

### Eye/face protection

Use protective glasses with tight seals according to standard EN166.

### Skin protection

Use suitable protective clothing.

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.

The most suitable protective glove should be chosen in consultation with the glove supplier, taking into account the risk assessment for the specific task and the properties of the chemicals involved. Note that the breakthrough time of the material is affected by the duration of the exposure, temperature conditions, abrasion, etcetera.

During continuous contact use gloves with a minimum breakthrough time of at least 240 minutes, preferably over 480 minutes.

Based on the chemical properties of the product, the following glove materials are recommended (EN 374):.

- Nitrile rubber.

### Respiratory protection

Use appropriate respiratory protective equipment in case of insufficient ventilation.

The most appropriate respiratory protective equipment should be decided in consultation with the appointed safety representative, taking into account the risk assessment for the specific task.

Based on the physical and chemical properties of the product, the following filter type(s) and/or filter combination(s) are recommended:.

- A.

### 8.2.3. Environmental exposure controls

Work with the product should take place in such a way that the product does not get into drains, waterways, soil and air.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

(a) Physical state	liquid
(b) Colour	Form: liquid colourless
(c) Odour	characteristic
(d) Melting point/freezing point	<0 °C
(e) Boiling point or initial boiling point and boiling range	>100 °C
(f) Flammability	Not flammable
(g) Lower and upper explosion limit	Not indicated
(h) Flash point	Not indicated
(i) Auto-ignition temperature	Not indicated
(j) Decomposition temperature	Not indicated
(k) pH	When supplied, pH is: 5 - 5.5
(l) Kinematic viscosity	3 - 5 cP (20 °C)
(m) Solubility	Solubility in water: Miscible
(n) Partition coefficient n-octanol/water (log value)	Not indicated
(o) Vapour pressure	Not indicated
(p) Density and/or relative density	≈1 g/cm <sup>3</sup> (20°C)
(q) Relative vapour density	Not indicated
(r) Particle characteristics	Not indicated

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Not indicated

#### 9.2.2. Other safety characteristics

Not indicated

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

### 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known during normal use.

### 10.4. Conditions to avoid

Do not expose to high temperatures.

Avoid frost.

### 10.5. Incompatible materials

Avoid contact with strong acids.

Avoid contact with strong bases.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on possible health hazards are based on experience and / or toxicological properties of several components in the product.

#### Acute toxicity

The product is not classified as acutely toxic.

#### 2-(2-BUTOXYETHOXY)ETHANOL

LD50 rabbit 24h: 2700 Dermal

LD50 Mouse 24h: 6050 mg/kg Orally

LD50 rabbit 24h: 2700 mg/kg Orally

LD50 rat 24h: 6600 mg/kg Orally

#### SILOXANES AND SILICONES, 3-[(2-AMINOETHYL)AMINO]PROPYL METHYL, DI-METHYL, HYDROXYTERMINATED

LD50 rat 24h: > 2000 mg/kg Orally

#### 3-BUTOXYPROPAN-2-OL

LD50 rat 24h: > 2000 mg/kg Dermal

LD50 rat 24h: > 3000 mg/kg Orally

#### Skin corrosion/irritation

The criteria for classification cannot be considered fulfilled based on available data.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

The product is not classified as sensitising.

#### Germ cell mutagenicity

The product is not classified as mutagen.

#### Carcinogenicity

The product is not classified as carcinogenic.

#### Reproductive toxicity

The product is not classified as a reproductive toxicant.

#### STOT-single exposure

The criteria for classification cannot be considered fulfilled based on available data.

#### STOT-repeated exposure

The product is not classified for specific organ toxicity after repeated exposure.

#### Aspiration hazard

The product is not classified as being toxic for aspiration.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

The product does not have any known endocrine-disrupting properties.

#### 11.2.2. Other information

Not indicated.

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not to be labelled as an environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.

Prevent release on land, in water and drains.

#### 2-(2-BUTOXYETHOXY)ETHANOL

EC50 Algae 96h: 1101 mg/l

LC50 Bluegill (*Lepomis macrochirus*) 96h: 1300 mg/l

EC50 Freshwater water flea (*Daphnia magna*) 48 h: > 1000 mg/l

EC50 Algae 72 h: > 1000 mg/l

LC50 Fish 96h: 2700 mg/l

### **3-BUTOXYPROPAN-2-OL**

EC50 Freshwater water flea (*Daphnia magna*) 48 h: 1 - 14221 mg/l

EC50 Algae (*Selenastrum capricornutum*) 96h: 1466 mg/l

EC50 Algae (*Pseudokirchneriella subcapitata*) 72h: > 1000

LC50 Guppy (*Poecilia reticulata*) 96h: 560 - 1000 mg/L

#### **12.2. Persistence and degradability**

The product degrades in the natural environment.

#### **12.3. Bioaccumulative potential**

This product or its constituents are not expected to accumulate in nature.

#### **12.4. Mobility in soil**

The product is soluble in water and is therefore mobile in soil and water.

#### **12.5. Results of PBT and vPvB assessment**

This product does not contain any substances that are assessed to be a PBT or a vPvB.

#### **12.6. Endocrine disrupting properties**

The product does not have any known endocrine-disrupting properties.

#### **12.7. Other adverse effects**

Data lacking.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Waste handling of the product**

Avoid discharge into sewers.

The product is not classified as hazardous waste.

Empty, rinsed packaging is sent for recycling where practicable.

See directive 2008/98/EC on waste. Observe national or regional provisions on waste management.

## **SECTION 14: Transport information**

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

### **14.1. UN number or ID number**

Not classified as dangerous goods

### **14.2. UN proper shipping name**

Not applicable

### **14.3. Transport hazard class(es)**

Not applicable

### **14.4. Packing group**

Not applicable

### **14.5. Environmental hazards**

Not applicable

### **14.6. Special precautions for user**

Not applicable

### **14.7. Maritime transport in bulk according to IMO instruments**

Not applicable

### **14.8 Other transport information**

Not applicable



## SECTION 15: Regulatory information

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

Not indicated.

### 15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: Other information

### 16a. Indication of where changes have been made to the previous version of the safety data sheet

#### Revisions of this document

Earlier versions

2022-07-13 Changes in section(s) 1.

### 16b. Legend to abbreviations and acronyms used in the safety data sheet

#### Full texts for Hazard Class and Category Code mentioned in section 3

Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2 - Eye Irrit. 2, H319 - Causes serious eye irritation

Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2 - Skin Irrit. 2, H315 - Causes skin irritation

Eye Dam. 1 Serious eye damage/eye irritation, Hazard Category 1 - Eye Dam. 1, H318 - Causes serious eye damage

#### Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

IMDG International Maritime Dangerous Goods Code

ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)

IATA The International Air Transport Association

### 16c. Key literature references and sources for data

#### Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2022-09-12.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

#### Full texts for Regulations mentioned in this Safety Data Sheet

1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

1272/2008 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

2008/98/EC DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives

### 16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

### 16e. List of relevant hazard statements and/or precautionary statements

#### Full texts for hazard statements mentioned in section 3

H319 Causes serious eye irritation

H315 Causes skin irritation

H318 Causes serious eye damage

**16f. Advice on any training appropriate for workers to ensure protection of human health and the environment**

**Warning for misuse**

Not indicated.

**Other relevant information**

Not indicated

**Editorial information**



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