

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name	Interspiro BA Cleaner
Article No.	32445-05, 32445-10, 32445-25

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

Product type	cleaning agent
Use	Cleaners for SCBA (breathing masks, air tanks, baby carriers, etc.) used by eg firemen at fire departments.

1.3 Details of the supplier of the safety data sheet

Manufacturer	Lejon Kemi AB
Street address	Fritz Janssons väg 20 SE-184 70 Åkersberga
Telephone	+ 46 (0)76 827 00 96
Email	info@lejonkemi.se

1.4 Emergency telephone number

Available outside office hours	Yes
Emergency phone number	+354 543 2222

Other

Contact person: Ingemar Lejon
Web site: www.lejonkemi.se

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008, Annex VI

Classification	Skin irritation, hazard category 2 Eye irritation, hazard category 2
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Hazard statements	H315, H319
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2.2 Label elements

GHS labeling of the substance (in accordance with Regulation (EC) No 1272/2008, Annex VI)

SAFETY DATA SHEET
Interspiro BA Cleaner

Issued: 2015-11-17

Pictogram



Signal word

Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precaution statements

P280 Wear protective gloves.
P280 Wear eye protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water./
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.
P361 Remove/Take off immediately all contaminated clothing.

2.3 Other hazards

Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<i>Chemical name</i>	<i>CAS No. EC No. REACH No. Index-number</i>	<i>Concentration</i>	<i>Classification</i>	<i>H-phrase</i>
Fettalkohol, C10-C12, etoxylerad och Propoxylerad	68154-97-2 935-890-8 - -	<5%	Eye Irrit. 2	H319
Alkylepolyglukoside	- 500 521-1 01-2119987144-31 -	<3%	Eye Dam. 1	H318
1-Oktyl-2-pyrrolidon	2687-94-7 403-700-8 - 613-098-00-0	<1%	Aquatic Chronic 2, Skin Corr. 1B	H314, H411

Substance additional information

For the full text of the H phrases mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

In the event of discomfort, visit a doctor and bring the safety data sheet.

SAFETY DATA SHEET
Interspiro BA Cleaner

Issued: 2015-11-17

Inhalation	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. This applies to any spray mist. The product is volatile and gives off no gases or vapors when used as directed.
Skin contact	IF ON SKIN: Wash with plenty of soap and water. Call a physician if symptoms occur.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse with lukewarm water. Contact your doctor immediately.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). If the injured person is fully conscious, give him/her a couple of glasses of milk or water immediately. DO NOT INDUCE VOMITING! Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media /*S only*/The product is not flammable. Select fire-extinguishing agent based on surrounding fire.

5.2 Special hazards arising from the substance or mixture

In case of fire or thermal decomposition, evolving carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases.

5.3 Advice for firefighters

Special protective equipment for fire-fighters In the event of fire, wear self contained breathing apparatus. Wear full protective clothing and breathing apparatus for fire fighting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use protective equipment as specified in section 8 of SDS. Avoid contact with the skin and the eyes.

6.2 Environmental precautions

Prevent discharges to watercourses, waste water or the ground.

6.3 Methods and material for containment and cleaning up

Bank up or absorb spilled fluid using sand, soil or some other suitable material. Rinse clean with plenty of water. Consider the risk of slipping.

6.4 Reference to other sections

Personal protection see section 8 and for disposal see section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Preventive handling precautions	Avoid contact with the skin and the eyes.
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General hygiene	Wash hands before breaks and immediately after handling the product.
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7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature. Keep container tightly closed. Protect from frost.

7.3 Specific end use(s)

Not applicable

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Not applicable

8.2 Exposure controls

Technical precaution measures	Ensure good ventilation/extraction at the workplace. Ensure that eyewash station are close to the workplace.
Eye / face protection	Wear eye/face protection.
Safety gloves	Wear protective gloves made of plastic or Rubber.
Other skin protection	Wear suitable protective clothing to prevent contact with the skin.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance, colour	Colorless - light yellow, clear.
Appearance, physical state	liquid
Auto-ignition temperature	Not applicable
Boiling point	> 100 °C
Decomposition temperature	Not applicable
Density	~ 1,05 g/cm ³ , 20°C
Evaporation rate	Not applicable
Explosive properties	Not applicable
Flammability (solid, gas)	Not applicable
Flash point	> 150 °C
Initial boiling point and boiling range	Not applicable
Melting point	< 0°C

Melting point / freezing point	Not applicable
Odour	characteristic
Odour treshold	Not applicable
Oxidising properties	Not applicable
Partition coefficient: n-octanol / water	Not applicable
pH value	10
Relative density	Not applicable
Solubility	Not applicable
Solubility in water	100 %
Upper / lower flammability or explosive limits	Not applicable
Vapour density	Not applicable
Vapour pressure	Not applicable
Viscosity	5-50 cP, 20°C

9.2 Other information

Not applicable

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not applicable

10.2 Chemical stability

This product is stable under normal conditions of handling and use.

10.3 Possibility of hazardous reactions

none under normal use

10.4 Conditions to avoid

Protect from frost.

10.5 Incompatible materials

Reacts with strong acids.

10.6 Hazardous decomposition products

Fire may produce hazardous combustion products such as carbon dioxide and carbon monoxide. nitrogen oxides (NOx) and sulphur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The product is volatile and gives off no gases or vapors when used as directed. Spray mist may irritate the respiratory tract and cause coughing.

Acute toxicity	Ingestion can cause nausea, vomiting, diarrhoea and breathing difficulties. Ingestion may cause pain in the mouth and throat.
Skin corrosion / irritation	Irritating to skin. Application solution 1-5% may cause skin dryness. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Can cause cracked skin and the risk of eczema.
Serious eye damage / irritation	Causes serious eye irritation. May cause severe eye damage.
Irritation	Not applicable
Corrosive effects	Not applicable
Sensitisation	None of the substances listed in section 3 is classified as a sensitizing.
Germ cell mutagenicity	None of the substances listed in section 3 is classified as a mutagenic
Mutagenicity	Not applicable
Carcinogenicity	None of the substances listed in section 3 is classified as a carcinogenic.
Repeated dose toxicity	Not applicable
Reproductive toxicity	None of the substances listed in section 3 is classified as toxic to reproduction.
LD50 Oral	CAS 2687-94-7: 2050 mg/kg (rat)
LD50 Dermal	CAS 2687-94-7: >2000 mg/kg (rabbit)

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

The product is not classified as dangerous for the environment. The product detail surfactants are readily biodegradable.

Alkylepolyglukoside
NOEC: 100 mg/l

CAS 2687-94-7
NOEC: 3,2 mg/l

Acute fish toxicity	LC50 Fish 96h: Alkylepolyglukoside: 558 mg/l (OECD 203) CAS 2687-94-7: 17,8 mg/l Rainbow trout
Acute algae toxicity	IC50 Algae 72h: Alkylepolyglukoside: 1543 mg/l (OECD 201) CAS 68154-97-2: 1-10 mg/l (OECD 201) CAS 2687-94-7: 6,2 mg/l Selenastrum capricornutum (green algae)

Acute crustacean toxicity

EC50 Daphnia 48h:
Alkylepolyglukoside: 557 mg/l (OECD 202)
CAS 68154-97-2: 1-10 mg/l Daphnia magna (Water flea) (OECD 202)
CAS 2687-94-7: 19,1 mg/l Daphnia magna (Water flea)

12.2 Persistence and degradability

Alkylepolyglukoside
Biological degradability: 78 %
Method: OECD 301B

CAS 68154-97-2
Biological degradability: > 60%
Exposure time: 28 d
Method: OECD 301B

CAS 2687-94-7
Modified partially interrupted Activated Sludge Test: Finally biodegradable. (99,4%)
Modified Sturm test: Biological biodegradable (> 80%)

12.3 Bioaccumulative potential

CAS 2687-94-7
Bioconcentration factor (BCF): 74,13

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

PBT-/vPvB-assessment is not made

12.6 Other adverse effects

Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal considerations

Dispose of any product, residue or packing material according to national and local regulations.

Other

Waste code (EWC)

The waste code (EWC) is a recommendation. In the event of non-compliant handling, the end user is personally responsible for a suitable EWC code.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number

Not applicable

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 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

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

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, (REACH).
Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Annex II SDS.
European Parliament and Council Regulation (EC) No. 1272/2008, CLP.

National regulations

Waste Ordinance (2011:927)
EH40/2005 Workplace exposure limits
MSBFS 2015:1 Regulations regarding the transport of hazardous goods by road and off road (ADR-S)

Other regulations, limitations and legal regulations

The surfactants contained in this product comply with the biodegradability criteria according to EC Regulation 648/2004 on detergents.

15.2 Chemical safety assessment

No chemical safety assessment has been performed.

SECTION 16. OTHER INFORMATION

Changes to previous revision

Changes are made in the following sections: 2, 3.

Abbreviations

PBT: Persistent, Bioaccumulative and Toxic.
vPvB: very Persistent and very Bioaccumulative.

References to key literature and data sources

www.prevent.se
C&L Inventory database

SAFETY DATA SHEET
Interspiro BA Cleaner

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Phrase meaning

Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2
Eye Dam. 1 - Serious eye damage, hazard category 1
Eye Irrit. 2 - Eye irritation, hazard category 2
Skin Corr. 1B - Skin corrosion, hazard category 1B
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.

Other

Additional information

Read this Safety Data Sheet carefully and become aware of hazards implied and the Safety information

Manufacturer's notes

All information in this safety data sheet is based on our current knowledge.