

F4L-AMS Material Safety Data Sheet

According to EC-Regulation No. 1907/2006

Version 1.01. 01-02-2018

Section 1: Product and Company Information

1.1 Product code

F4L-AMS

1.2 Product description

Antiseptic fluid for sanitizing embalmed human or animal bodies

1.3 Contact information

Company: Fix for Life B.V., Leliestraat 54, 2313BH Leiden, Netherlands

Phone: +31615676299

1.4 Emergency telephone number


Emergency phone: 112

Section 2: Hazards Identification

2.1 Classification of the mixture

F4L-AMS	Classification according to Regulation (EC) No 1272/2008 Contains alcoholic solvents 60 – 80%, flammable liquids (Category 2), H225 according to Regulation (EC) No 1272/2008
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2.2 Label elements

F4L-AMS	Pictogram  Signal word Danger Hazard statement(s) H225 Highly flammable liquid and vapor Precautionary statements P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking P233 Keep container tightly closed. P241 Use explosion-proof electrical, ventilating and lighting equipment. P280 Wear protective gloves and eye protection/face protection. P370 + P378 In case of fire: Use suitable extinguishing medium for extinction. P403 + P235 Store in a well ventilated place. Keep cool.
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2.3 Other hazards

May be ignited by sparks

Gas/vapor spreads at floor level: ignition hazard

Produces effects on the nervous system

Slightly irritant to respiratory organs

Slightly irritant to eyes

Moderately irritant for eyes

Caution! Substance is absorbed through the skin

May cause harm to breastfed babies

Risk of impaired fertility

Hazardous to the foetus

Section 3: Composition and Information on Ingredients

Mixtures

Specific composition as a result of applicable regulations is not necessary to show.

Name	Conc.	Classification according to CLP
Alcohol	60 – 80%	Flam. Liq. 2; H225
Other components		Non-hazardous according to Directive 2008/98/EC.

Section 4: First Aid Measures

4.1 Description of first aid measures

General advice:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

In Case of Inhalation

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

In Case of Contact with Skin:

Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.

In Case of Contact with Eyes:

Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

In Case of Accidental Swallowing:

Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.2.1 Acute symptoms

After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Respiratory difficulties. Central nervous system depression. Symptoms similar to those listed under ingestion.

After skin contact:

Slight irritation.

After eye contact:

Redness of the eye tissue. Lacrimation. ON CONTINUOUS EXPOSURE/CONTACT: Irritation of the eye tissue.

After ingestion:

AFTER ABSORPTION OF HIGH QUANTITIES: Risk of aspiration pneumonia. Red skin. Body temperature rise. Damp/clammy skin. Excited/restless. Accelerated heart action. Central nervous system depression. Dizziness. Narcosis. Headache. Drunkenness. Nausea. Vomiting. Disturbed motor response. Coordination disorders. Visual disturbances. Impaired concentration. Delusions. Disturbed sensation of pain. Disturbances of heart rate. Disturbances of consciousness. Tremor. Cramps/uncontrolled muscular contractions. Dilated pupils.

4.2.2 Delayed symptoms

If applicable and available it will be listed below.

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

If applicable and available it will be listed below.

Section 5: Fire-Fighting Measures

Non-flammable, no specific measurements needed.

5.1 Extinguishing media

5.1.1. Suitable extinguishing media

Water spray. Alcohol-resistant foam. Dry chemical powder. Carbon dioxide.

5.1.2. Unsuitable extinguishing media

Solid water jet ineffective as extinguishing medium.

5.2 Special hazards arising from the substance or mixture

Upon combustion: CO and CO₂ are formed.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.3.1 Instructions

Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep upwind. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion proof appliances and lighting equipment. Keep containers closed.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Suitable protective clothing. See heading 8.2

6.2 Environmental precautions

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Prevent spreading in sewers.

6.3 Methods for Cleaning Spills

Take up liquid spill into a non-combustible material e.g.: sand, earth, vermiculite or kieselguhr, powdered limestone. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4 Reference to other sections

For disposal see section 13.

Section 7 - Handling and Storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Handling

Observe normal hygiene standards. Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

7.2 Storage

Keep container tightly closed. Protect from light

7.2.1 Safe storage requirements:

Keep out of direct sunlight. Store in a dry area. Ventilation at floor level. Fireproof storeroom.

Provide for an automatic sprinkler system. Provide for a tub to collect spills. Provide the tank with earthing. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents, (strong) acids, water/moisture.

7.2.3 Suitable packaging material:

Stainless steel, aluminum, iron, copper, nickel, synthetic material, glass.

Section 8 - Personal Protection and Exposure

8.1 Control parameters

If limit values are applicable and available these will be listed below.

The Netherlands

Alcohol	Short time value	992 ppm 1900 mg/m ³	Public occupational exposure limit value
	Time-weighted average exposure limit 8 h	136 ppm 260 mg/m ³	Public occupational exposure limit value

8.2 Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Use spark-/explosion proof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards

- a) Respiratory protection: Wear gas mask with filter type A if conc. in air > exposure limit
- b) Hand protection: Gloves
- c) Eye protection: Safety glasses
- d) Skin protection: Protective clothing.

8.2.1 Environmental exposure controls:

See headings 6.2, 6.3 and 13

Section 9 - Physical and Chemical Properties

Appearance

F4L-AMS 1000cc HDPE container, with PP spray trigger

Physical State Liquid

Physical hazards Flammable liquid

Section 10 - Chemical Stability and Reactivity

10.1 Reactivity

May be ignited by sparks. Gas/vapor spreads at floor level: ignition hazard. Substance has neutral reaction.

10.2 Stability

Hygroscopic. Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Reacts violently with many compounds e.g.: with (strong) oxidizers: (increased) risk of fire/explosion. Violent to explosive reaction with (some) acids.

10.4 Conditions to avoid

Use spark-/explosion proof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks.

10.5 Incompatible materials

Oxidizing agents, (strong) acids, water/moisture.

Section 11 - Toxicological Data

Not classified as dangerous to health according to the criteria of Regulation (EC) No 1272/2008.

Section 12 - Ecological Information

12.1 Toxicity:

Alcohol component: Not classified as dangerous to the aquatic environment according to the criteria of Regulation (EC) No 1272/2008

12.2 Persistence and degradability:

Readily biodegradable in water

Biodegradable in the soil

12.3 Bio accumulative potential:

Low potential for bioaccumulation (Log Kow < 4)

12.4 Mobility in soil:

No (test) data available

12.5 Other adverse effects:

Not included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009).

Section 13 – Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, decision 2000/0532/EC).

07 01 04* (other organic solvents, washing liquids and mother liquors). Depending on branch of industry and production process, also other EURAL codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

13.1.2 Disposal methods

Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery.

Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. May be discharged to wastewater treatment installation. Do not discharge into surface water.

13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

Section 14 - Transport Information

14.1 UN number:

1987

14.2 UN proper shipping name:

ALCOHOLS, N.O.S.

14.3 Transport hazard class(es):

Hazard identification number 33

Class 3

Classification code F1

14.4 Packing group:

Packing group II

Labels 3

14.5 Environmental hazards:

Environmentally hazardous substance mark no

14.6 Special precautions for user:

Special provisions 274, 601, 640D

Limited quantities:

LQ4. No more than 3 liter per inner packaging for liquids. A package shall not weigh more than 30 kg (gross mass).

Section 15 - Classification and Regulatory Information

Waste identification (the Netherlands) LCWA (the Netherlands): KGA Category 03

Waterbezwaarlijkheid: 11

Section 16 - Other Information / Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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