

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name FLEXOFIL

Use(s) A CORK SPREAD BOTTOM FILLER FOR USE IN THE SHOE INDUSTRY

Company Identification LIVINGSTON & DOUGHTY LTD
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation A PREPARATION OF CORK, RESIN, ADDITIVES AND SOLVENT.

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
ACETONE	67-64-1	200-662-2	Xi: R36, 66, 67	30-40%

3. HAZARDS IDENTIFICATION



**HIGHLY
FLAMMABLE**



IRRITANT

Physical & Chemical:

Health: IRRITATING TO EYES.
REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.
VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.
THE PRODUCT CONTAINS A SUBSTANCE WHICH HAS AN OCCUPATIONAL EXPOSURE LIMIT (OEL).

Environmental: ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER.

4. FIRST AID MEASURES

General information

Inhalation If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.

Skin contact Wash contaminated skin with soap and large quantities of water. If necessary seek medical advice.

Eye contact Immediately wash eyes thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists) consult an eye specialist/ophthalmologist.

Ingestion Allow the patient to vomit on his own accord. Give plenty of water to drink; if necessary seek medical advice.

Further information

5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS HIGHLY FLAMMABLE.
Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder).
Extinguishing media <u>not</u> to be used	Water jet.
Special exposure hazards	The thermal decomposition products released should be considered toxic if inhaled.
Protective equipment	Wear self-contained breathing apparatus.
Further information	Cool endangered containers with water (to prevent container explosion).

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Remove all sources of ignition - No Smoking! Take up mechanically (e.g. sweep or vacuum up) into tightly closed containers. Label container and dispose of as prescribed.
Environmental considerations	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
Further information	

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice. Keep away from all sources of ignition - NO smoking! Ensure adequate ventilation.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry and away from heat and sources of ignition.
Further information	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent). LTEL (8 hour TWA): 500 ppm 1210 mg/m ³ OES data for acetone (EH40/2002)* STEL (15 min): 1500 ppm 3620 mg/m ³ OES data for acetone (EH40/2002)* * Acetone has an IOELV (Indicative Occupational Exposure Limit Value).
Engineering controls	Ensure adequate ventilation of working area. Provide local exhaust ventilation. Take measures against the build up of electrostatic charges.
Personal protection	Observe normal safety standards for handling chemicals. Avoid breathing vapour. Avoid contact with eyes. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (as below).
Eye protection	Safety goggles (e.g. EN 166).
Skin protection	Natural latex rubber with breakthrough time of approx. 1 hour (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken).



Respiratory protection	Respirator if ventilation is judged to be insufficient.
Other protection	Protective overalls or aprons.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Moist solid.
Colour	Cork coloured.
Odour	Slightly pungent.
pH	Not applicable.
Boiling pt / range	Approx. 56 °C (acetone).
Melting pt / range	Not applicable. °C
Flash point	-18 °C (acetone, open cup).
Autoflammability	From 400 °C
Density	Not determined.
Explosive limits	Lower: 2.6 % (v/v) Higher: 13 % (v/v) (acetone).
Viscosity	Not applicable.
Vapour pressure	Not determined.
Water solubility	Not applicable.
Additional information	

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	Heat and ignition sources.
Material to avoid	Strong oxidising agents.
Hazardous reactions	None known.
Hazardous decomposition products	Not determined.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral) > 2000 mg/kg	Derived from components.
Dermal compatibility	Prolonged handling may cause defatting, dryness and cracking of skin and mild dermatitis.	
Mucous membrane compatibility	Irritating to eyes.	
Further information	Acetone vapour in high concentrations may be narcotic and a CNS depressant.	

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀ Fish	> 1000 mg/l	Derived from the components.
Degradability	Not determined.		
Further information	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.		

13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations, e.g. special waste or incineration, after discussions with the supplier.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

United Nations number	UN 3175
Packaging group	II
IMDG code	4.1/3175/II
RID / ADR	4.1/II
ICAO / IATA	4.1/3175/II
Marine pollutant	The product should not be marked as a marine pollutant.
Proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ACETONE).
Emergency action code	2Y

15. REGULATORY INFORMATION

Classification & labelling The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3].



**HIGHLY
FLAMMABLE**



IRRITANT

Risk phrases	R11 R36 R66 R67	HIGHLY FLAMMABLE. IRRITATING TO EYES. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING. VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.
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Safety phrases	S9	KEEP CONTAINER IN A WELL-VENTILATED PLACE.
	S16	KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
	S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

16. OTHER INFORMATION

Further information

Risk phrases referred to in section 2

R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Sources of data

The Approved Supply List, Approved Carriage List, EH40/2002, other suppliers' safety data sheets.

Date of issue

15-12-2009

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

Prepared by Rising HS&E Services.