

Fiche de données de sécurité

selon Règlement (CE) n° 1272/2008

Print Date : 13 October 2021

Version 4

Revision Date : 7th October 2021

Lycobohr

(Liquor of boron)

1. Identification of the substance/preparation and of the company/undertaking

- | | | |
|-----|--|--|
| 1.1 | Product name | Lycobohr |
| 1.2 | Use of the substance/
the preparation | Solution to scour for the weld
/ solder of gold |
| | Supplement | Product reserved for professionals.
The workstations must be equipped
with aspiration system. |
| 1.3 | Identification of the
Company/undertaking | Savonnerie du Léman Christian Cottet
Chemin de Prévenoge 2
1024 Ecublens
Tel : 0041 21 691 39 34
E-mail: ccsavonnier@gmail.com |
| 1.4 | Phone in case of emergency | 145 (tox Center) Switzerland |

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye irritation (Category 2) H319, Harmful if swallowed (Category 4) H302

Reproductive toxicity (Category 1B), H360FD

For the full text of the H-Statements mentioned in this section, see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008



Hazardous attention (GHS 07)

Dangerous for the health (GHS 08)

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Mention of danger

H302 Harmful if swallowed.

H319 Eye irritation.

H360FD:May impair fertility.
Can harm the fetus.

Advice of caution

P202 Do not manipulate before having read and understood all the security precautions.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ a eye protection equipment/ of the face.

P301 + P312 IN CASE OF INGESTION :
Call a POISON CENTER No 145/ a doctor.

P308 In the event of exposure proven or suspected : consult a doctor.

3. Composition, information on the components

3.1 Chemical characteristics

Formulated product

Components		Symbols	Risk phrase	Case	No. This
Boric acid	< 5%	T	H360FD	10043-35-3	233-139-2
Sodium Tetraborate	< 10%	T	H319-H360FD	1303-96-4	215-540-4
Sodium fluoride	< 2%	T,Xi	H301-H315-H319	7681-49-4	231-667-8

For the full text of the H-Statements mentioned in this section, see section 16.

4. First Aid measures

4.1 Description of first-aid measures

General advice

Take out the subjects of the hazardous area.
Remove contaminated clothing immediately by the product.
Medical supervision for at least 48 h.

After Inhalation

Give fresh air, consult a doctor in the event of unrest.
In the case of unconsciousness, lay the person in lateral position of security and call an emergency doctor. Use if necessary artificial respiration.

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After contact with the skin

Rinse immediately with plenty of water. Wash in water with a soap acid. Resorting to a medical opinion if irritation appears.

After contact with the eyes

Washing with water by separating the eyelids at least 15 minutes and consult a doctor. Protect the eye intact.

After ingestion

Rinse the mouth and then drink abundantly.

Administration of activated charcoal.

In the case unconsciousness, lay the person in lateral position of security and call an emergency doctor.

4.2 Most important symptoms and effects, both acute and delayed

The following symptoms may appear :

Irritation of the mucous membranes

Irritation of respiratory tract

Sickening state

Gastrointestinal disorders

Affection of the circulatory system, of the skeleton, the central nervous system and kidneys

Dyspnoea

Long-term risks :

Risk of impaired fertility

Risk of damaging effect on the fetus

5. Firefighting measures

5.1 Means of extinction

Water, powders, carbon dioxide gas.

Adapt the measures of protection in the fight against the fire to the environment.

5.2 Special dangers of products of thermal decomposition or gases

Can be released in case of fire :

- Fluorine and hydride of fluorine

- Boron

5.3 Special equipment of security

Wear respiratory device independent of the ambient air.

Wear protective clothing total.

5.4 Further information

None.

6. Accidental release measures

General measures

Avoid the dispersion of the product in the groundwater, the waters or the pipes.
Use absorbents and eliminate them according to the Chapter 13.

6.1 Personal precautions

Wear safety equipment: gloves, boots, held total body protection resistant to oils, respiratory protection.

6.2 Measures for the protection of the environment

Absorb the product widespread and eliminate the absorbent soiled according to the chapter 13.
Neutralization of residues with soapy water and dilute before the rejection in the circuit of the wastewater.

7. Handling and Storage

7.1 Handling

Precautions to be taken for the handling :
Open and manipulate the packaging with caution.

7.2 Storage

Requirements concerning the places and storage containers :
Predict the soil resistant to leaching.

Indications concerning the common storage

Do not store with acids.

Other indications on the storage conditions

Keep the reservoirs hermetically sealed.

Protect against freezing.

8. Exposure controls/personal protection

Additional indications for the design of the technical installations :

Use the product in well ventilated rooms, under a suction or with a system of condensation of vapors (see also point 7).

Components with the threshold values to monitor by Workstation (Suva 2014)

Boric acid	Average value :	10 mg/m ³
Case 10043-35-3	Limit value :	10 mg/m ³ , 15 min
Tetraborate soda	Average value :	5 mg/m ³
Case 1303-96-4	Limit value :	5 mg/m ³ , 15 min

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Sodium fluoride	Average value	1 mg/m ³
Case 7681-49-4	Limit value	4 mg/m ³ , 4 x 15 min

Additional indications :

The present document is based on the lists in force at the time of its preparation.

General measures of protection and hygiene :

Do not eat, drink or smoke in the workplace.

Keep away from food products, drinks and food for animals.

Wash hands before breaks and at the end of the work.

Avoid contact with the eyes and with the skin.

Provide a shower and shower of eye on the place of work.

Do not inhale vapours, gases and aerosols.

Personal protective equipment :

Protection of hands: gloves resistant to alkaline liquids.

For the permanent contact, gloves in the following materials are appropriate :

Chemical-resistant gloves (in374).

Gloves in the following materials are not appropriate :

Leather gloves.

Gloves in fabric.

Eye protection :

Complete protection of the face.

Respiratory protection :

In the case of steam / aerosol can use a respiratory protective device. Gas Filter A.

Body protection :

Protective clothing resistant to alkaline liquids and solvents.

9. Physical and chemical properties

General indications

Form :	Liquid
Color :	Colorless
Odour :	No

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State Change

Melting Point :	Not determined
Boiling point :	<100°C
Flash point :	Not determined
Flammability (solid, gaseous) :	Non-flammable gas
Auto-inflammation :	Not determined
Danger of explosion :	The product is not explosive
Limits of explosiveness :	Not determined
Vapor pressure at 20°C :	Not determined
Density at 20°C :	1170 g/cm ³
Solubility in water :	Completely miscible
Value of the pH at 20°C :	7.2

10. Stability and Reactivity

Thermal decomposition / Conditions to Avoid :
No decomposition in the case of use of a compliant.
To avoid a thermal decomposition, do not overheat.

Substances to avoid : strong acids, oxidants.

Hazardous decomposition product: Refer to chapter 5.

11. Toxicological information

Acute toxicity :

Values LD/LC50 determinative for classification :

Boric acid	Oral	LD50	2660 mg/kg (rats)
	Percutaneous	LD50	>2000 mg/kg (rats)
Sodium Tetraborate	Oral	LD50	2660 mg/l. (Rat)
	Percutaneous	LD50	>2000 mg/kg (rats)
Sodium fluoride	Oral	LD50	31mg/kg (rats)

Primary effect of irritation :

Skin : irritation of the skin and mucous membranes.

Eyes : strong irritation.

Awareness : no effect of awareness known.

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Subacute to chronic : possibility of effect carcinogenic, mutagenic and teratogenic.

Results on the man :

Sterility, malformation intra-uterine.

Prolonged and repeated exposure may be harmful to the fertility of the soil and the kidneys.

Toxicological evidence complementary : danger by dermal resorption.

12. Ecological Information

Toxicity :

The product is not biodegradable.

Mobility and potential of bio accumulation :

No data for this preparation.

Note :

The substance is hazardous to aquatic organisms.

General indications :

Do not leave the product, enter the groundwater, surface waters or the pipes.

13. Considerations relating to the elimination

Product – Recommendation :

Must not be evacuated with the garbage. Do not allow it to penetrate into the sewers.

Must be the subject of a special treatment in accordance with the legal requirements.

Must not be mixed with other solvents/products in view of the recycling.

Packaging not cleaned – Recommendation :

The packaging can be reused or recycled. Eliminate as special waste.

14. Transport information

Exempt from the classification and labelling transport.

Transporting the product in accordance with the provisions of the ADR for the road, of RID for the rail, of IMDG for the sea, and the ICAO/IATA for the transport by air (ADR 2015 IMDG - 2014 - ICAO/IATA 2015).

15. Regulatory Information

This safety data sheet is consistent with the requirements of Regulation (EC) No 1272/2008.

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16. Other data

The information contained in this safety data sheet are based on the state of our knowledge, on the date indicated. The information in this fact sheet should be considered as a description of the safety requirements concerning the product, they must not be considered as a guarantee or a specification quality and have no contractual value on the properties of the latter. The information contained in this safety data sheet relate to the product specifically designated, and may not be valid with regard to the product associated with another product or to a process, unless this is specified in the text of the present document.

Recommended use

Reserved for professional users.

Text of the Sentences H

As mentioned under Article 3

H301 : Toxic in case of ingestion.

H315 : Causes skin irritation.

H319 : Causes severe irritation of the eyes.

H360FD : May impair fertility.

Can harm the fetus.

Other information

Take knowledge of the mode of use on the label.

Supplementary labelling

Contains substances of concern :

Salts of Boron

Fluorine

National requirements

Legislation of swiss toxicity

Class of toxicity : 2

Protection of young workers : must not be used by minors

Protection of pregnant women : must not be used in the presence of a pregnant woman.

Non-liability clause

The information contained in this safety data sheet have been established on the basis of our knowledge at the date of publication of this document.