

Safety Data Sheet According to 91/155 EEC

Printing date: : 07.11.2007

Reviewed on : 07.11.2007

1 Identification of the substances/ prepared and of society/firm

· Product details

· **Trade Name: LITOKROM STARLIKE - (PART B)**

Application of the substances/ the preparation: Two-part epoxy mortar

· **Manufacturer/ Supplier:**

LITOKOL S.r.l.

Via G.Falcone, 13/1

42048 Rubiera (RE)

Italia

Tel. +39 0522 626391 - Fax. +39 0522 620150

Further information obtainable from: LITOKOL S.r.l. - Tel. +39 0522 626391

2 Composition/ Information on ingredients

Dangerous health components according to the 67/548/CEE norm and following adjustments or for which there are recognised exposure limits:

- | | | | | | |
|----|-----------------------------------|-----------|------------|-----------|---------------------|
| 1. | Benzyl alcohol | | | | |
| | N. CAS: | 100-51-6 | N. EINECS: | | Index n.: |
| | Risk symbols: | | Xn | Phrase R: | 20/22 |
| | Concentration | > 18 % | | | |
| 2. | 4,4' metilenebiscicloesananammina | | | | |
| | N. CAS: | 1761-71-3 | N. EINECS: | | Index n.: |
| | Risk symbols: | | C | Phrase R | 22-35-37-43 |
| | Concentration | > 18 % | | | |
| 3. | dietilentriammina | | | | |
| | N. CAS: | 111-40-0 | N. EINECS: | | Index n. |
| | Risk symbols: | | C | Phrase R: | 21/22-34-43 |
| | Concentration | < 7,5 % | | | |
| 4. | tetraetilpentammina | | | | |
| | N. CAS: | 112-57-2 | N. EINECS: | | Index n. |
| | Risk symbols | C – N | | Phrase R: | 34-21/22- 43- 51/53 |
| | Concentration | < 7,5 % | | | |

3 Hazard identification

The product can cause burned skin; it can cause also sensitization at skin contact; harmful if ingested and irritating for the breathing apparatus.

4 First-aid Measures

After Skin Contact: Take off the contaminate dress; wash immediately with running water for at least 10 minutes.

After eyes contact: wash immediately with water for at least 15 minutes and call for a doctor.

After swallowing: In case of ingestion move away the injured from the dangerous area; should the injured not be consciousness consult a doctor.

After Inhalation: Move the injured in a windy and open area; should the injured not be consciousness consult a doctor.

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5 Fire-fighting measures

Recommended extinguishing agents: Chemical powder, CO₂, nebulised water..

Forbidden Extinguishing agents : none .to check in function of the stored products in the nearby.

Combustion Risks : do not breathe fumes. Presence of product of thermal decomposition: carbon monoxide.

Protective equipments: Wear suitable fire protection equipment.

6 Accidental release measures

· **Person-related safety precaution:** wear suitable protective dress for skin, eyes and breathing apparatus.

· **Measures for environmental protection:** keep away from superficial water and/or drainage. In case of container break, try to wipe by absorbent means and avoid the environmental dispersion.

7 Handling and Storage

Information for safe handling: Avoid contact with skin, eyes; use suitable protective cloths and glasses.

Storage conditions: the product must be stored in ventilated rooms.

Storerooms indications : the product must be stored in fresh and ventilated rooms.

8 Exposure controls/ personal protection

Precautions: Use the product in a well airing room or area .

Advisable materials: protective gloves, glasses and skin protective cloths.

Exposure limits at the substances: N.D.

9 Physical and Chemical properties

Form: Viscous liquid

Colore: Amber

Smell: ammoniacal

	Value	Unit of measurement	Method
Boiling point:	131 (decompose)	°C	
Inflammability point:	110	°C	ASTM D93/66
Viscosity 25°C	350-700	mPa*s	Brookfield
Specific weight / 20°C:	0.98	Kg/l	
Ph:	12.3		-
Solubility in organic solvents :	Soluble in alcohol, Ketone and aromatic hydrocarbon		-
Solubility in water at 20°C	Not soluble in water, emulsifiable		

10 Stability and reactivity

Stability: prepared stable for use in normal condition.

Condition to be avoided: agent highly oxidizing; sodium hydroxide.

11 Toxicological information

DL 50 (oral ratto):	> 2000 mg/kg
CL 50 (inhalation. ratto):	N.D.
DL 50 (skin ratto):	> 2000 mg/Kg

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12 Ecological information

Use the product according to the instruction supplied in the technical sheet; avoid to dispose the product in the environment.

13 Disposal considerations

The disposal of the product must be effected in accordance to the DLgs 22/97 following the national and local dispositions.

14 Transport Information

Land transport	(RID-ADR)	:	8, 53°C)	Marittime	(IMO)	:	N.A.
				transport			
Air transport	(ICAO/IATA)	:	N.A.				

15 Regulatory Information

· **Classification according to the CEE rules :**

Simboli: **C – Corrosive**

Frase R: R34 – Causes burns
R43 – May cause sensitisation by skin contact
R22 – harmful if swallowed

Frase S: S37/39 - Wear suitable gloves and glasses to protect eyes and skin
S24 - Avoid contact with skin
S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28 - In case of contact with skins, rinse immediately with plenty of water with appropriate products specified directly by the manufacturer.

· **Further limitations and prohibitive decrees:**

The information reported in this safety data sheet is in accordance with the regulations 1967/548/EC, 1991/155/EC, 1999/45/EC ,2001/59/EC , the law decree 65/2003,DM 07/09/02 and the norms about the classification, packaging and labelling of the dangerous substances. Anyway it is advisable to check and follow the specific national, regional and local regulations in the matter of dangerous activities and environmental protection.

DM 12/08/98 e succ. – Restrictions on the introduction on the market and on the use of particular dangerous substances.

DLgs 52/97 e succ. – Classification, packaging and labelling of the dangerous substances

DM 28/04/97 e succ. – List of the dangerous substances

DLgs 626/94 – Health and safety on the workplaces

Dlgs 626/94 Titolo VII - "Protection from carcinogenic and mutagenic agents"

DLgs 25/02 – Exposure to chemical agents.

DPR 547/55 – Regulations for the prevention of accidents on the job

DPR 303/56 – General regulations for the industrial health

DLgs 334/99 – Activities at risk of considerable accidents

DLgs 152/99 – Water protection

DPR 203/88 – Emission in the atmosphere

DLgs 22/97 – Regulations on the waste, packaging and packaging waste

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16 Further information

These information are based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The user must be sure of the suitability and completeness of the above mentioned information with relation to the specific and final use. This MSDS cancels and replaces any preceding release.

Entire text of the Phrase R:

- 20/22 - Harmful by inhalation and if swallowed.
- 22 - Harmful if swallowed
- 35 - Causes severe burns.
- 37 - Irritating to respiratory system .
- 21/22 - Harmful if in contact with skin and if swallowed..
- 34 - Causes burns
- 43 - May cause sensitisation by skin contact.
- 51/53 - Toxic to aquatic organisms, may cause long term adverse effect in the aquatic environment.

N.A. = Not applicable

N.D. = Non Determined