

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Trade name : LAVIODIS CB86
 MSDS code : 0019434
 Chemical description : Water soluble acrylic polymer
 CAS number : 25085-02-3
 Supplier : Laviosa Chimica Mineraria S.p.A.
 Via Leonardo Da Vinci 21
 57123 – Livorno – Italy
 Tel. ++39 0586 434000
 Fax ++39 0586 410852

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding

Classification : See note on item 15
 Symbols : Xi – irritant
 R Phrases : R36/38 – irritating to eyes and skin

3. HAZARD IDENTIFICATION

The product is irritating to eyes and skin
 Aqueous solutions render surfaces extremely slippery

4. FIRST AID MEASURES

Contact with skin : Take of immediately all contaminated clothing. Areas of the body that have – or are only even suspected of having – come into contact with the product must be rinsed immediately with plenty of water and possibly with soap.
 Contact with eyes : Rinse immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. Seek medical advice.
 Ingestion : Seek medical advice.
 Inhalation : Remove the patient to fresh air.

5. FIRE-FIGHTING MEASURES

Extinguishing media : Water mist, CO2, Foam, Chemical powders.
 Extinguishing media to avoid : None
 Risks arising from combustion : It may emit noxious fumes.
 Protective equipment : Use protection for the respiratory tract. Cool the containers exposed to the fire with water.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety : Use gloves and protective clothing. (see also item 8).
 Environmental measures : Limit leakages with earth or sand.
 If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities. Residues can be flushed away with plenty of water to water treatment plants.
 Cleaning methods : Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material. Wash with water the materials used for cleaning.

7. HANDLING AND STORAGE

Handling precautions	:	The product should be used in well ventilation place. Avoid direct contact with the product. During drums-opening operation avoid inhalation of ammonia vapour. Do not eat or drink while working
Storage conditions	:	Keep container closed, away from free flame, sparks and heat sources.
Instructions as regards storage premises	:	Adequate ventilation in working area.
Packaging suggested	:	Plastic drums.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures	:	Give adequate ventilation to the premises where the product is stored and / or handled.
Respiratory protection	:	Not needed for normal use. Use approved organic vapour respirator when there is a risk of vapour exposure.
Protection for hands	:	Gloves.
Eye protection	:	Safety goggles.
Protection for skin	:	No special precaution must be adopted for normal use.
Exposure limit(s) (ACGIH)	:	TLV suggested : 300 ppm referred to the solvent contained.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour	:	Yellowish liquid
Odour	:	Yes
pH	:	6 – 8 (5 g/l water)
Melting Point	:	N.A.
Boiling Point	:	ca. 100°C
Flash Point	:	> 62°C (Pensky – Martens)
Decomposition temperature	:	N.D.
Relative density	:	N.D.
Solubility in water	:	Dispersible

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Stable under normal conditions.
Substances to avoid	:	Strong oxidizers.
Hazardous decomposition products	:	Stable under normal conditions. From combustion it may emit fumes of Co _x , No _x .

11. TOXICOLOGICAL INFORMATION

Skin contact	:	Irritant
Eye contact	:	Irritant
Inhalation	:	May cause weak respiratory tract irritation.
Ingestion	:	Low order of toxicity. Small solvent amounts aspired into the respiratory tract during ingestion may cause bronchopneumonia or pulmonary edema.
Acute oral toxicity on rats (LD50)	:	Not available.

12. ECOLOGICAL INFORMATION

Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

13. DISPOSAL CONSIDERATIONS

If possible recover the product, otherwise dispose of in authorized landfill or incinerate in accordance with local regulation.

14. TRANSPORT INFORMATION

Road (ADR)	: N.A.
Rail (RID)	: N.A.
Air (ICAO / IATA)	: N.A.
Sea (IMO)	: N.A.
UN number	: N.A.
Marine pollutant	: N.A.

15. REGULATORY INFORMATION

Main general legislation, when and if applicable : 88/379/EEC (Classification and labelling).

Note : The product has been classified on the bases of experimental data carried out on product with analogous composition.

Symbols : Xi – irritant

R Phrases : R36/38 – irritating to eyes and skin.

S Phrases : S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Refer to other local regulations that may be relevant (i.e. : sanitary control, waste treatment).

16. OTHER INFORMATION

Refer to local regulations as to possible sanitary control of workmen engaged in the use of the product, due to the presence of the solvent.

N.A. = Not Applicable

N.D. = No Data

Main bibliographic sources	:	NIOSH -	Registry of toxic effects of chemical substances.
		I.N.R.S. -	Fiche Toxicologique.
		CESIO -	Classification and labelling of anionic nonionic surfactants (1990).

PERSON TO CONTACT : Cinzia Della Porta, R&D Manager

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