

Safety Data Sheet

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Product name FRACTALIS OPS

1.2 Use of the substance / preparation

1.3 Company identification

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e-mail address of the competent person responsible for the Safety Data Sheet binfo@createlab.it

1.4 Emergency telephone

For urgent inquiries refer to +39 059 281777

2. Hazards Identification

2.1 Substance/Preparation Classification

This preparate is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this preparate requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: C
Phrases R: 34

2.2 Danger Identification

CAUSES BURNS.

3. Composition / Information on ingredients

Contains:

Name	Concentration C	Classification
CALCIUM HYDROXIDE	27 <= C < 28,5	C R34

Cas No 1305-62-0
CE No 215-137-3

0,1 <= C < 0,15

Cas No 109909-39-9

Xi R52/53
R41

The complete text of -R- phrases is specified in section 16.

4. First aid measures

EYES: Wash immediately with plenty of water for at least 15 minutes and seek medical advice at once.

SKIN: Immediately take off all contaminated clothing and have a shower. Seek medical advice.

INGESTION: Have the patient drink water as much as possible and seek medical advice immediately. Do not induce vomiting before consulting a doctor.

INHALATION: Immediately seek medical advice. In the meantime, remove the patient to open air, far from the contaminated premises; if respiration stops or is difficult, give an artificial respiration adopting the proper measure for the helper.

5. Fire-fighting measures

Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear the fire equipment all the time.

6. Accidental release measures

Limit the spreading of the spillage with inert absorbent material (sand, earth etc). Neutralize and remove as far as possible the treated mass; wash the remainder with plenty of water.

7. Handling and storage

Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity. Refer to the other sections of this data sheet for information relating to health and environmental risks.

8. Exposure control / personal protection.

8.1 Exposure limit values

Name	Type	State	TWA/8h		STEL/15min	
			mg/m3	ppm	mg/m3	ppm
CALCE IDRATA	TLV-ACGIH		5			
	OEL	IRL	5			
	WEL	UK	5			

8.2 Exposure controls

Against corrosive properties of the product and according to the type of working, suitable protection equipment should be worn. Such as: an helmet to protect the face, the head and the neck, waterproof gloves and overall, resistant to the product.

Do not eat, drink or smoke while handling it; wash carefully the hands with soap and water before meals and after work shift; a shower is recommended.

9. Physical and chemical properties

Odour	Sharp
Appearance	Viscous liquid suspension
Solubility	Partial
Color	White
VOC	max. 50 g/l
Viscosity	Brookfield 200000 - 300000 cps
Vapour density	N.A.
Evaporation Rate	N.A.
Reactive Properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	12,0 -13,0
Boiling point	N.A.
Flash point	N.A.
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,500Kg/l

10. Stability and reactivity

The product is stable in normal conditions of use and storage. In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

Propylene glycol: it is hygroscopic, stable at normal conditions; at high temperatures, it tends to oxidize yielding propionaldehyde as well as lactic and acetic acid.

11. Toxicological information

This product is corrosive and causes abrasions of skin surface, accompanied by rubefaction, warmth and sting. In the most serious cases, small vesicles appear, which cause strong sting and pain. Upon contact with eyes, it may cause serious harm, such as cornea opacity, iris lesions, irreversible eye coloration. Possible vapours are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness. If swallowed, it may cause mouth, throat and oesophagus burns; sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia. Perforation of the gastro-intestinal tract is also possible.

1,2-PROPANEDIOL: oral LD50 (mg/kg) 20800 (RAT) ; dermal LD50 (mg/kg) 20800 (RAT)
CALCIUM HYDROXIDE: oral LD50 (mg/kg) 7340 (RAT)

12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

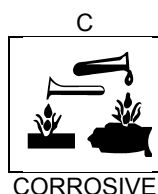
13. Disposal consideration

Consider the possibility of burning the product in a suitable incenerator.
Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14. Transport information

This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

15. Regulatory information



R34	CAUSES BURNS.
S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S28	AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF . . . (TO BE SPECIFIED BY THE MANUFACTURER).
S36/37/39	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
S45	IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

Contains:
CALCE IDRATA

Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC regulation is respected.

16. Other information

Text of -R- phrases quoted in section 3 of the sheet.

R34 CAUSES BURNS.

R41 RISK OF SERIOUS DAMAGE TO EYES.
R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE
AQUATIC ENVIRONMENT.

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments;
2. Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.