

SAFETY DATA SHEET

In accordance with 91/155/EEC and SSDS decree (CH)

No.: E50001000

version no. 02

Date of issue : 10. February 2003

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

Product name : FS-2

Purpose : Concentrate against mould

Producer / supplier : VERNIS CLAESSENS SA, 6, rue du Silo, CH-1020 Renens

Phone no.: (+41) (0)21 637 17 17 Fax : (+41) (0)21 637 17 29

Emergency information : Toxicological Centre Zurich Phone no. (0041) (0)1 251 51 51

2. Composition/Information on ingredients

Chemical characteristics of mixture

Different solvents organique

Substances presenting a health hazard: in accordance with the Dangerous Substances Directive 67/548/EEC

Name of the component	Conc. w/w %	Symbol	R-phrases	CAS no.	EINECS
Isoparaffin	25 - 50	Xn	10-53-65-66	90622-57-4	
2-(2-Butoxyethoxy)ethanol	10 - 25	Xi	36	112-34-5	
2-Octyl-2H-Isotiazol-3-on	2.5 -	T. N	34-43-50/53-23/24-22	26530-20-1	
Alkylphenyl-polylglycoether	10 - 25	Xn	36/38-53-22	9016-45-9	

(See full text of phrases under chapter 16)

3. Hazards identification of the preparation

Designation on hazards : Harmful

Special information on hazards : May cause sensitization by skin contact

concerning persons and environment : Harmful: may cause lung damage if swallowed..

: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures

General information : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Skin contact : Remove contaminated clothing. Wash skin intensively with soap and water or use recognised skin cleanser. Do **not** use solvents or thinners.

Eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

Ingestion : If accidentally swallowed obtain immediate medical attention. Keep at rest. Do **not** induce vomiting.

5. Fire-fighting measures

Recommended extinguishing media : Alcohol resistant foam, CO₂, powders, water spray

Not recommended extinguishing media : Water-jet

Recommendations : Fire may produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental release measures

Personal precautions : Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in section 7 and 8.

Environmental precautions : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Methods of cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, Vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean with a detergent; avoid use of solvents.

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7. Handling and storage

Handling Keep container tightly close. Isolate from sources of heat, sparks and open flame. No sparking tools should be used.
Avoid skin and eye contact. Avoid inhalation of vapour and spray mist.
Smoking, eating and drinking should be prohibited in application area.
For personal protection see Section 8.
Never use pressure to empty: container is not a pressure vessel.
Always keep in containers of same material as the original one.

Storage Comply with the health and safety at work laws.
Store in accordance with the regulations for storing flammable liquids.
Store between 5 °C and 35 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Keep away from oxidising agents, from strongly alkaline and strongly acid materials.
No smoking. Prevent unauthorised access.

8. Exposure controls and personal protection

Engineering measures :

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulate and solvent vapour below de OEL, suitable respiratory protection must be worn.

Exposure limits :

CAS no.	Name of the component	TLV unit
90622-57-4	Isoparaffin	180 ppm

Personal protection

Respiratory protection : No respiratory protection should be needed. If respiratory irritation is experienced, use an approved air-purifying respirator. In misty atmospheres, use an approved mist respirator.

Hand protection : For prolonged or repeated contact, use safety gloves from e.g. Neopren
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection : Use safety glasses. Where contact with this material is likely, chemical goggles are recommended because eye contact may cause discomfort even though it is unlikely to cause injury. Eye wash fountain should be located in immediate work area..

Skin protection : Use protective clothing impervious to this material. Selection of specific items will depend on operation. Use gloves, impervious to this material when prolonged or frequently repeated contact could occur. Remove contaminated clothing no later than at the end of the work period and launder before reuse.

9. Physical and chemical properties

Physical state : liquid
Colour : yellowish
Odour : specific

	Factor	Unit	Method		Factor	Unit	Method
Flashpoint	ca. 55	°C	.....	Boiling point	ca. 184	°C	.....
Viscosity (23°C)	n.d.	.....	.....	Density (20°C)	ca. 0.763	g/cm ³	.....
Content of solvents	ca. 90	w/w. %	.....			
Explosion limit lower	n.d.	upper : n.d.		Vol. % solvents in air			
Solubility in water	not miscible			Solvent separate testing	< 3% accordance RID/ADR		

10. Stability and Reactivity

Stable under recommended storage and handling conditions. (See section 7)
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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11. Toxicological information

There are no data available on the preparation itself.

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse health effect on kidney, liver and central nervous system. Symptoms and signs include headache; dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non allergic contact dermatitis and absorption through the skin.

The liquid splashes in the eyes may cause irritation and reversible damage.

12. Ecological information

There are no data available on the preparation itself.

The product should not be allowed to enter drains or water courses.

Endangering the environment components :

CAS no.	Name of the component	Conc. w/w %	R-phrases
90622-57-4	Isoalkanes C ₆ - C ₁₂	25 - 50	53
26530-20-1	2-Octyl-2H-Isothiazol-3-on	2.5 - 10	50/53

(See full text of phrases under chapter 15 and 16)

13. Disposal considerations

Product : EWC no. : 08 01 02

Waste name (EU-RL 94/3/EG) : Paint without solvents halogenated

Contaminated packaging : Wastes and emptied containers should be disposed according to local regulations.

14. Transport information

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

General	: UN no.:	1263
for transport by road, rail,	Proper shipping name	paint accessories matter
barge (Rhine), sea and air	Class	3
	Packaging group	III
	Special regulation	special regulation 640E
ADR/RID (by road / rail)	: UN no.	: 1263
(Container < 450 lit)	Proper shipping name	: paint accessories matter
ADR/RID (by road / rail)	: UN no.	: 1263
(Container >= 450 lit)	Proper shipping name	: paint accessories matter
IMDG (by sea)	: EmS	: 3-05 MFAG : 313
	Marine pollutant	: yes
ICAO/IATA (by air)	: UN no.	: 1263
	Proper shipping name	: paint accessories matter

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15. Regulatory information

In accordance with the Dangerous Substances Directive

Hazard marking	:	Harmful	Hazard symbol :	Xn
Danger determining components (contains)	:	Isoparaffin, 2-Octyl-2H-Isothiazol-3-on		
R-phrases	:			
10		Flammable		
43		May cause sensitization by skin contact		
36/38		Irritating to eyes and skin		
65		Harmful: may cause lung damage if swallowed		
S-phrases	:			
2		Keep out of the reach of children		
23		Do not breathe vapour/spray		
24/25		Avoid contact with skin and eyes		
26		In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.		
36/37		Wear suitable protective clothing and gloves		
46		If swallowed, seek medical advice immediately and show this container or label		
Special marking	:			
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National regulations

Clean air act	:	Class	I : n.d. %	II : n.d. %	III : n.d. %
Fire protection	:	Class		
Water endangering	:	Class	2		(self classification)

16. Other information

Full text of R-phrases with number, appearing in section 2 and 12

22	Harmful if swallowed
23/24	Toxic by inhalation and in contact with skin
34	Causes burns
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66	Repeated exposure may cause skin dryness or cracking

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The Information in this MSDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.