

# NOFIRNO SEALANT

## 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product name:	NOFIRNO
Supplier:	BEELE Engineering BV, Beunkdijk 11, 7122 NZ AALTEN, The Netherlands
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## 2 - COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical composition:	Mixture of polydimethylsiloxane, fire retardant fillers and crosslinker
Colour:	Terracotta
Hazardous components:	OXIMINOSILANE(S) (CAS: 2224-33-1 & 22984-54-9): < 5% -EEC Classification: Xi;R36 3-AMINOPROPYLTRIEHOXYSILANE (CAS: 919-30-2): < 5% -EEC Classification: C;R22-34
Further information:	When exposed to air humidity release of: 2-BUTANONE OXIME (CAS: 96-29-7): 1,2% (max) on pure polymer, 0.7% in composition -EEC Classification: Xi;R36-43

## 3 - HAZARDS IDENTIFICATION

Human health effects:	May cause slight irritation to skin or eyes.
Environmental effects:	Does not present particular risk to the environment, provided the disposal (see section 13) is in accordance with national or local regulations.
Specific hazards:	According to EEC criteria, this product is not classified as a hazardous preparation.
Further information:	Smoke and toxicity tests according to Naval Engineering Standard are performed with positive results.

## 4 - FIRST AID MEASURES

Inhalation:	Affected person should be removed from the contaminated area into fresh air.
Skin contact:	Wipe off using a clean, soft, absorbent material.
Eye contact:	If substance has got into the eyes, immediately wash out with plenty of water until medical assistance is provided. Retract eyelids often. Consult a physician immediately.
Hygiene measures:	Exercise good industrial hygiene practice. Wash after handling, especially before eating.

## 5 - FIRE FIGHTING MEASURES

Properties:	Combustible at temperatures above 400 °C.
Extinguishing media:	Foam, CO <sub>2</sub> , dry powder, water spray.
Special exposure hazards:	In case of fire and/or explosion do not breathe fumes.
Protective equipment:	Wear breathing apparatus.

## 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact to the skin and eyes. Do not breathe vapours. Ventilate the spillage area mechanically.
Environmental precautions:	This product does not present a particular risk to the environment
Methods for cleaning:	Take up mechanically. Do not empty into drains. Transfer to a container for disposal.

## 7 - HANDLING AND STORAGE

Handling:	Ventilation. Work in well-ventilated room.
Storage:	Store between 5 °C and 40 °C. No further specific measures necessary.
Packaging:	Polyethylene cartridges.
Further information:	Due to the hollow shape of sleeves do not store under high loads

## 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Mechanically:	Ensure good ventilation of the work area.
Control parameters:	Limits (USA/ACGIH): 2-Butanone oxime: no specific limit. Proposed limits: 2-Butanone oxime: 3 ppm TWA and 10 ppm STE (measured <1ppm TWA)
Personal protection:	Wear protective clothing and chemical safety glasses.
Respiratory protection:	In the event of insufficient ventilation: respiratory protective device with a gas filter.
Hand protection:	Wear rubber gloves.
Eye protection:	Chemical safety glasses.
Skin protection:	Minimize skin contact.

## 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thixotropic paste
Odour:	Ethereal, slight amine
Density at 23 °C:	1.4 g/cm <sup>3</sup>
Softening point:	Not applicable
Melting point:	Not applicable
Flammability:	LOI index = 43%
Oxidizing properties:	Non-oxidizing material according to EEC criteria
Solubility:	Insoluble

## 10 - STABILITY AND REACTIVITY

Stability:	Stable under normal usage conditions
Conditions to avoid:	None known
Materials to avoid:	None known
Hazardous decomposition products:	In case of fire CO, CO <sub>2</sub> , oxides of silicone and oxides of nitrogen; during normal curing 2-butanone oxime and methanol vapours may be emitted.

## 11 - TOXICOLOGICAL INFORMATION

Acute toxicity:	2-Butanone oxime: LC 50 inhalation (rat)/4 h: > 4.83 mg/l.
Human effects:	Repeated or prolonged contact may cause slight irritation to the skin.
Sensitisation:	Not a cutaneous skin sensitizer for guinea pigs, when tested in accordance with the Buehler method.
Carcinogenicity:	As far as we know, under normal conditions of use, this product will not present an exposure hazard to human.
Long term exposure:	No information available. Studies are carried out.

## 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Effects on the aquatic environment: LC 50 (fish: pimephales promelas) 96 h: 844 mg/l for 2-Butanone oxime
Degradability:	Not biodegradable
Bioaccumulation:	Not bioaccumable
Solubility:	Insoluble

## 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national regulations

## 14 - TRANSPORT INFORMATION

General:	Not Classified as Hazardous for Transport
Land:	Rail/road (RID/ADR): not restricted
Sea:	(IMO/IMDG): not restricted
Air:	(ICAO-IATA): not restricted
Note:	It is advisable to check the validity of the above due to possible evolution of transport regulations.

## 15 - REGULATORY INFORMATION

Classification:	Not irritant
Risk Phrases:	Not applicable
Safety Phrases:	Not applicable

## 16 - OTHER INFORMATION

Other information:	This data sheet was prepared in accordance with Directive 91/155/EEG. The information given is based on our knowledge of the product at the time of publication. It is given in good faith.
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