



HEALTH AND SAFETY DATA SHEET

RAPIDSEAL N40 LMN SILICONE SEALANT

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY:**

**1.1 Name of substance/preparation**

Commercial product name: N40 LMN SILICONE SEALANT

**1.2 Use of substance / preparation:**

Industrial  
Sealants

**1.3 Company name**

Manufacturer/distributor: IFI  
Address: Rutland Business Park Newark Road, Peterborough  
Postal code: PE1 5WA  
Telephone: +44(0) 1733 847520  
Fax: +44(0) 1733 343465

**2. HAZARDS IDENTIFICATION:**

**2.1 Classification:**

R-Phrase	Description
R-	

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

**3. COMPOSITION/ INFORMATION ON INGREDIENTS:**

**3.1 Chemical characterization (preparation):**

Chemical characteristics
Polydimethylsiloxane + filler + auxiliary products + alkoxysilane cross-linker

**3.2 Hazardous ingredients:**

EC-No.	CAS No.	Material	Content %		Warning Label (EC)	
			from	to	Symbol	R-Phrases
214-685-0	1185-55-3	Trimethoxy methylsilane		<5,0	F, Xi	11-38
	128446-60-6	3-Aminopropyl(methyl)silsesquioxanes, ethoxy-terminated		<5,0	Xi	10-36/38
220-449-8	2768-02-7	Trimethoxy vinylsilane		<5,0	Xn	10-20

R-Phrase	Description
R11 R38	Highly flammable. Irritating to skin.
R10 R36/38	Flammable. Irritating to eyes and skin.
R10 R20	Flammable. Harmful by inhalation.

#### 4. FIRST AID MEASURES:

- 4.1 General information:**  
In case of accident or if you feel unwell seek medical advice (show label or SDS where possible)
- 4.2 After inhalation:**  
Provide fresh air
- 4.3 After contact with the skin:**  
Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible)
- 4.4 After contact with the eyes:**  
Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation
- 4.5 After swallowing:**  
Give several small portions of water to drink. Do not induce vomiting

#### 5. FIRE FIGHTING MEASURES:

- 5.1 Suitable extinguishing media:**  
Water mist, extinguishing powder, alcohol-resistant foam, carbon dioxide, sand
- 5.2 Extinguishing media which must not be used for safety reasons:**  
Water spray, water jet
- 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**  
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- 5.4 Special protective equipment for fire fighting:**  
Use respiratory protection independent of re-circulated air

#### 6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal precautions**  
Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours. If material is released indicate risk of slipping.
- 6.2 Environmental precautions:**  
Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth)
- 6.3 Methods for cleaning up:**  
Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent/ soap solution or another biodegradable cleaner
- 6.4 Further information:**  
Eliminate all sources of ignition.

#### 7. LIMITATIONS OF USE:

- 7.1 Handling**  
Precautions for safe handling:  
Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.2
- Precautions against fire and explosion:  
Vapours may form in closed rooms with air mixtures, leading to explosion in the presence of sources of ignition, even in empty, unclean vessels. Keep away from sources of ignition and do

not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

## 7.2 Storage

### Condition for storage rooms and vessels:

None known

### Advice for storage of incompatible materials:

Not applicable

## 8. AVAILABLE COLOURS:

### 8.1 Exposure limits

Maximum airborne concentrations at the workplace:

CAS No.	Material	Type	Mg/m <sup>3</sup>	Ppm	Dust fract.	Fibre/m <sup>3</sup>
67-56-1	Methanol	TLV_GB	266,0	200,0		

### 8.2 Exposure limited and controlled

#### 8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling.

#### Personal protection equipment

##### Respiratory protection

In case of long or strong exposure: gas mask filter ABEK

##### Hand protection

Nitrile rubber protective gloves. Protective gloves made of butyl rubber. Gloves suitable for up to 60 minutes' use

##### Eye protection

Protective goggles

#### 8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil

### 8.3 Further information for system design and engineering measures

Observe information in section 7

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

### 9.1 General information

Physical state/form: Paste  
Colour: Various  
Odour: Pleasant

### 9.2 Important information about the protection of health, safety and the environment

Melting point/ melting range: not applicable  
Boiling point/ boiling range: not applicable  
Flash point: not applicable  
Ignition temperature: > 400 °C  
Lower explosion limit (LEL): not applicable  
Upper explosion limit (UEL): not applicable  
Vapour pressure: not applicable  
Density: 0,98-1,05g/cm<sup>3</sup> at 25 °C  
Water solubility/miscibility: virtually insoluble  
pH Value: not applicable

Viscosity (dynamic) not applicable

**9.3 Other information**

Re 9.2 solubility in water: Hydrolytic decomposition occurs. Explosion limits for released methanol: 5.5- 44% (V).

Thermal decomposition: not applicable

## 10. STORAGE AND SHELF LIFE:

**10.1 General information**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known

**10.2 Conditions to avoid:**

Moisture

**10.3 Materials to avoid:**

Reacts with: basic substances, acids and water. Reaction causes the formation of: methanol

**10.4 Hazardous decomposition products:**

Under the effect of humidity: methanol. Measurements have shown the formation of small amounts of Formaldehyde at temperatures above 150°C

## 11. TOXICOLOGICAL INFORMATION:

**11.1 General information**

Product not investigated. According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

**11.2 Toxicological tests**

Further information:

No data known

**11.3 Experience with man:**

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**11.4 Further toxicological information**

By product: Attention! Product may hydrolyse in gastro-intestinal tract and produce methanol. According to literature methanol (67-56-1) irritates mucous membranes, has skin drying and narcotic effects up to coma or death. Absorption by the skin is possible. Possibility of damage to heart, kidneys, liver and optic nerves (blindness) over a period of time.

## 12. ECOLOGICAL INFORMATION:

**12.1 Ecotoxicity**

According to past experience toxicity to fish is improbable

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

**12.2 Mobility**

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**12.3 Persistence and degradability**

Biodegradation/further information:

Biologically not degradable

Further information:

-

**12.4 Bio-accumulation potential**

Bioaccumulation is not expected to occur

**12.5 Other harmful**

**12.6 Additional information**

General information:

In cross-linked state not soluble in water. Easily separable from water by filtration

**13. DISPOSAL CONSIDERATIONS:**

**13.1 Material**

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

**13.2 Uncleaned packaging**

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used.

**13.3 Waste Disposal Legislation Ref.No. (EC):**

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator

**14. TRANSPORT INFORMATION:**

**14.1 Land transport GGVSE/ADR and RID**

Road ADR:

Valuation: Not regulated for transport

Railway RID: Not regulated for transport

**14.2 Inland navigation GGVBinsch/ADNR**

**14.3 Transport by sea GGVSee/IMDG-code**

Valuation: Not regulated for transport

**14.4 Air transport ICAO-TI/IATA-DGR**

Valuation: Not regulated for transport

**15. REGULATORY INFORMATION:**

**15.1 Warning Label (EC)**

R-Phrase	Description
R-	

S-Phrase	Description
S-	

Special identification instructions: Safety data sheet available for professional user on request

**15.2 National regulations:**

SI 2002/1689: CHIP Regulations 2002
SI 2002/2677: COSH Regulations 2002
SI 1999/3242: Management of Health & Safety at Work Regulations 1999
Health and Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations
Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

## 16. OTHER INFORMATION:

### 16.1 Material

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations.

### 16.2 Further information

Commas appearing in numerical data denote a decimal point. Vertical lines in the left hand margin indicate changes compared with the previous version.

n.a. = not applicable

n.s. = not subject to

Details on international registration status

Listed on or in accordance with the following inventories:

HSNO	New Zealand
ELINCS	Europe
IECSC	China
TSCA	USA
PICCS	Philippines
ENCS	Japan
ECL	Korea
AICS	Australia
EINECS	Europe

The information provided in this Health and Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.  
The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the content of the Health and Safety Data Sheet.



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