

MATERIAL SAFETY DATA SHEET

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Identification of the substance / preparation and of the company / undertaking

- Product name:

OCI N- 192 HIGH PERFORMANCE SEALANT

- Company:

OCI Berhad

Office:

3, Jalan Renggam 15/5,
Kawasan Perindustrian Seksyen 15,
40000 Shah Alam, Selangor, Malaysia.

Factory :

1, Jalan Halba Satu, 16/16A, Seksyen 16,
Kawasan Perindustrian Shah Alam,
40000 Shah Alam, Selangor, Malaysia.

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2 Composition / information on ingredients

Mixture of polydimethylsiloxanediol and polydimethylsiloxane with fillers ,pigments, and a cross linking agent .

Hazardous Component :

<u>Component</u>	<u>CAS NO.</u>	<u>Wt%</u>	<u>Exposure Limits</u>
Silica, amorphous	007631869	11	OSHA PEL: TWA 15mg/m ³ total dust, 5mg/m ³ respirable fraction. ACGIH TLV: TWA 10mg/m ³ inhalable particulate, 3 mg/m ³ respirable particulate.
Methyl tri (ethyl-methylketoxime) silane	22984549	6	See ethyl methyl ketoxime comments.
Chromic oxide	001308389	4	OSHA PEL and ACGIH TLV, as chromium: TWA 0.5mg/m ³ .
Iron oxide	001309371	4	OSHA PEL (final rule) (fume): TWA 10mg/m ³ . ACGIH TLV (fume), as iron: TWA 5mg/m ³ .
Black iron oxide	001317619	4	Observe iron oxide limits. (fume): TWA 10mg/m ³ . ACGIH TLV (fume), as iron: TWA 5mg/m ³ .
Titanium dioxide	013463677	4	OSHA PEL (final rule): TWA 10mg/m ³ total dust. ACGIH TLV: TWA 10mg/m ³
C.I Pigment Blue 29	057455375	4	Observe particulate limits. OSHA dust, 5mg/m ³ respirable fraction. ACGIH TLV: TWA 10mg/m ³ inhalable particulate, 3 mg/m ³ respirable particulate.

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Component	CAS NO.	Wt%	Exposure Limits
Yellow iron oxide	051274001	3	OSHA (final rule) (fume): TWA 10mg/m ³ . ACGIH TLV (fume), as iron: TWA 5mg/m ³ .
Antimony chromium manganese titanium brown rutile	069991680	3	Observe final rules. Chromium oxide: (OSHA PEL and ACGIH TLV, as chrome: TWA 0. 5mg/m ³), antimony oxide: (OSHA PEL and ACGIH TLV, as antimony: TWA 0.5mg/m ³), manganese oxide: (OSHA PEL, as manganese: Ceiling 5mg/m ³ ; ACGIH TLV: TWA 5mg/m ³)
Aminoethyl aminopropyl trimethoxysilane	001760243	2	See methyl alcohol comments
Di(ethylmethyl- ketoxime) methoxy- methyl silane	083817725	2	See ethyl methyl ketoxime and methyl alcohol components.
Aluminium	007429905	1	OSHA PEL (final rule): TWA 15mg/m ³ total dust, 5mg/m ³ respirable fraction. A ACGIH TLV (metal dust): TWA 10mg/m ³ .
3	Hazards identification		
			May cause sensitization by skin contact.
4	First-aid measures		
			Take off immediately all contaminated clothing. - After skin contact: Clear with water and skin cleanser immediately. - After eyes contact: Rinse with plenty of water immediately, seek medical advice if necessary. - After ingestion: Seek medical advice immediately.
5	Firm-fighting measures		
			- Suitable extinguishing media: water spray, foam, CO ₂ , dry powder - Unsuitable extinguishing media:
6	Accidental release measures		
			- Methods for cleaning up, Take up mechanically.

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7 Handling and storage

- Handling:
Ensure good ventilatin during processing.
- Protection against fire / explosion:
General rules of fire prevention should be observed.
- Storage:
Keep container tightly closed and dry. Store in a well-ventilated area.

8 Exposure controls / personal protection

- Ingredients with limiting values to be controlled.
TLV (TRGS 900/D): not indicated
- Industrial hygiene:
Remove immdiately all contaminated clothing. Do not ihale vapours / acrosols.
- Hand protection:
Suitable protective gloves
- Eye protection:
proctetive goggles

9 Physical and chemical properties

- Form: paste
- Colour: colour varies
- Odour: characteristic
- Melting temperature not applicable
- Boiling temperature (hPa) not applicable
- Flash point > 320 °C
- Ignition temperature not determined
- Vapour pressure (°C) not determined
- Density (20°C) 1, 03 - 1,23g/cm3
- Solubility in water (20°C) practically inscluble
- pH Value (g/l water) (°C) not determined

10 Stability and reactivity

- Hazardous decomposition products:
Z-butanone oxime through action of atmospheric humidity
- Hazardous reations:
No dangerous reaction known:

11 Toxicological information

- Skin:
may cause sensitisation * (Methyl tri(ethylmethylketoxime))
- Eyes:
possibly irritating
- Further Information:
* The date are derived from the labelling according to the EC Dangerous Preparation Directive.

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12 Ecological information

No date available (preparation)

13 Disposal considerations

- Product:

With respect to local regulations, e.g. dispose of to suitable waste incineration plant.

14 Transport information

No dangerous goods under the transport regulations.

15 Regulatory information

- Labelling (EC):

According to the Dangerous Preparation Directive (88/379/EEC).

Contains: butan-Z-one O, O', O'' - (methylsilylidne) trioxime

Hazard symbol: Xi = Irritant

R-phrases 43 May causes sensitization by skin contact.

S-phrases: Z Keep out of reach of children.

24/25 Avoid contact with skin and eyes.

37 Wear suitable gloves.

46 If swallowed, seek medical advice immediately and show this container or label.

16 Other information

The details contained herein are based on our present state of knowledge and experience and are to characterize our product with regard to any possible safety requirement. We do, however, pass them on without any warranty or property assurances.