

MATERIAL SAFETY DATA SHEET

Date Updated: 29.06.2007
Version: 3.0
Regulation EC No. 1907/2006

ONICHEM
Onichem Specialities
www.onichem.com

ORGANOSILANE NOEO

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ***

MSDS Name: **Organosilane NOEO**

Chemical Name: N-octyltriethoxysilane, 95%

Company Identification: Dalian Onichem Co., Ltd.

218-220, No. 2 Gaoxin Street, Qixianling, Dalian 116023, P.R. China

Tel: 86-411-84794022, Fax: 86-411-84794077

For emergencies, call CHEMTREC 1-800-424-9300 or 1-202-483-7616

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name, %	EINECS#
2943-75-1	N-octyltriethoxysilane, 95%	220-941-2

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Moisture sensitive.

Target Organs: None.

Potential Health Effects

Eye: Contact with eyes may cause immediate or delayed severe eye irritation.

Skin: May cause irritation or contact dermatitis which may be delayed several hours..

Ingestion: N/A.

Inhalation: May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema. Causes chemical burns to the respiratory tract.

Chronic: N/A.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes,
Get medical attention, preferably from an ophthalmologist.

Skin: Flush skin with plenty of soap and water for at least 15 minutes
Consult a doctor in the event of permanent skin irritation

Ingestion: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

Inhalation: Move exposed individual to fresh air. Call a physician..

Notes to Physician: Treat symptomatically and supportively.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

Extinguishing Media:

Use foam, water spray, dry chemical, or carbon dioxide.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

Personal Precautions: Use proper personal protective equipment.

Environmental Precautions: Do not allow entrance in soil, stretches of water, drainage systems.

Methods for Cleaning Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Fill into marked, sealable containers.

**** SECTION 7 - HANDLING and STORAGE ****

Handling: N/A.

Storage: Protect from moisture.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

Provide adequate ventilation.

Personal Protective Equipment

Eyes: Wear safety glasses and chemical goggles if splashing is possible.

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Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators:

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Appearance: Colorless to pale yellow liquid

Odor: Mild

pH: N/A.

Boiling Point: 98°C at 2 mm Hg

Freezing Point: -40°C

Flash Point: 100°C. Method: Tag closed cup ASTM D 93

Flammability Limits in Air: Not determined.

Specific Gravity/Density (H₂O=1): 0.880 at 20/20°C

Vapour Pressure: <0,1HPa at 20°C

Vapour Density (air=1): >1

Evaporation Rate (Butyl acetate=1): N/A

Solubility In Water: Insoluble, reacts

Percent Volatiles: Not determined

Molecular Formula: C₁₄H₃₂O₃Si

Molecular Weight: 276.48

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: N/A.

Incompatibilities With Other Materials: moist air or water.

Hazardous Decomposition Products: Ethanol in case of hydrolysis.

Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

Oral Toxicity: LD₅₀ – rat > 5,110 mg/kg

Skin Irritation – Irritating

Eye Irritation – Not irritating

Gentoxicity In Vitro: No evidence of mutagenic effects

Further Information: Own study

**** SECTION 12 - ECOLOGICAL INFORMATION ****

12.1 Elimination information (persistence and degradability)

Biodegradability Exposure time: 28 d

Result: 12% Not readily

12.2 Behaviour in environmental compartments

N/A

12.3 Ecotoxicity effects:

N/A

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.

Not listed as a material banned from land disposal according to RCRA.

**** SECTION 14 - TRANSPORT INFORMATION ****

Not classified as dangerous in the meaning of transport regulations.

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**** SECTION 15 - REGULATORY INFORMATION ****

Labelling According to EC Directives:

Symbol(s): Xi

Risk Phrase(s):

R38: Irritating to skin.

Safety Phrase(s):

S24: Avoid contact with skin.

S37: Wear suitable gloves

**** SECTION 16 - ADDITIONAL INFORMATION ****

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.