

# MATERIAL SAFETY DATA SHEET



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## **n-virol**

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### **1. PRODUCT IDENTIFICATION**

<b>Trade Name</b>	N-VIROL SILICONE WATERSEAL
<b>Description</b>	Silicone emulsion

### **2. HAZARDOUS INGREDIENTS**

<b>Component</b>	<b>CAS No</b>	<b>Classification</b>	<b>Concentration</b>
Triethoxyoctylsilane	2943-75-1	Xi; R38	>1.5 - <2.5%

### **3. HAZARD IDENTIFICATION**

<b>Hazard designation</b>	none according to EU directive 1999/45/EC
<b>Health</b>	n/a
<b>Environmental</b>	n/a

### **4. FIRST AID MEASURES**

<b>Inhalation of vapour</b>	Remove to fresh air
<b>Skin contact</b>	Prolonged contact may cause irritation. Remove contaminated clothing. Wash skin thoroughly with soap and water
<b>Eye contact</b>	May cause temporary irritation. Irrigate with water for 15 minutes holding eye lid open. Seek immediate medical attention
<b>Ingestion</b>	Wash out mouth with water. Do not induce vomiting. Seek immediate medical attention

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	foam, carbon dioxide, dry powder, water spray
<b>Extinguishing media Not to be used</b>	n/a
<b>Special exposure hazards</b>	In the event of fire the following can be released: Carbon monoxide/carbon dioxide
<b>Protective equipment</b>	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Refer to section 8 for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid
<b>Environmental considerations</b>	Do not discharge into drains or rivers. Contain the spillage using bunding
<b>Clean up procedure</b>	Absorb into dry earth or sand. Transfer to a closable, labelled container for disposal by an appropriate method

## 7. HANDLING & STORAGE

<b>Advice on safe handling</b>	No special precautions necessary. Handle in accordance with good hygiene and safety practice
<b>Storage conditions</b>	Store between +5°C and +35°C protected from frost and direct sunlight. Keep container tightly closed

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure controls</b>	The product may contain low levels of volatile organic compounds which may evaporate during application and drying
<b>Engineering controls</b>	Ensure adequate ventilation of working area
<b>Personal protection</b>	Observe normal standards for handling chemicals. Avoid contact with skin and eyes. Wash hands before breaks and after work. Wear protective equipment appropriate to the task (see below)
<b>Eye protection</b>	Safety goggles (e.g. EN 166)
<b>Skin protection</b>	Butyl rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
<b>Respiratory protection</b>	Respirator if ventilation is judged to be insufficient
<b>Other protection</b>	Protective overalls

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical form</b>	Mobile liquid
<b>Colour</b>	White liquid
<b>Odour</b>	faint, typical
<b>pH</b>	7 - 8
<b>Boiling pt /range</b>	From 100 °C
<b>Melting pt /range</b>	°C
<b>Flash point<sup>o</sup></b>	n/a
<b>Autoflammability</b>	°C
<b>Relative density</b>	0.9 - 1.0
<b>Viscosity</b>	non-viscous
<b>Water solubility</b>	fully miscible

## 10. STABILITY & REACTIVITY

<b>Stability</b>	Stable under normal conditions of handling
<b>Conditions to avoid</b>	Frost and extremes of temperature
<b>Material to avoid</b>	Strong oxidising agents
<b>Hazardous reactions</b>	No dangerous reactions known
<b>Hazardous decompositions products</b>	In combustion emits toxic fumes of carbon dioxide/monoxide

## 11. TOXICOLOGICAL INFORMATION

<b>Skin</b>	May produce some skin irritation after prolonged contact
<b>Eyes</b>	May cause eye irritation
<b>Inhalation</b>	No significant effect
<b>Ingestion</b>	Not classified as 'harmful if swallowed'. May cause some irritation of the mouth and upper digestive tract

## 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	Readily absorbed into soil
<b>Persistence</b>	Not determined
<b>Degradability</b>	This product is poorly biodegradable
<b>Bioaccumulation</b>	No evidence for bioaccumulation
<b>Ecotoxic effects</b>	The product is not classified as Dangerous for the Environment

## 13. DISPOSAL CONSIDERATIONS

<b>Advice on disposal</b>	Disposal of product and packaging should always comply with local and national regulations. Waste water containing product should be treated in a separation and biological treatment plant.
<b>Contaminated packaging</b>	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.
<b>EU Waste code number</b>	No Waste Code number available

## 14. TRANSPORT INFORMATION

<b>UK Transport Information</b>	UK Transport Classification: Not classified
<b>UN No.</b>	N/R
<b>IMDG code</b>	Not classified
<b>RID / ADR</b>	Not classified
<b>IATA</b>	Not classified

## 15. REGULATORY INFORMATION

Labelling according to EU directive 1999/45/EC	
<b>Symbol</b>	Not subject to labelling
<b>Risk phrases</b>	S2, S28
Information given in this Material Safety Data Sheet does not constitute the user's own workplace risk assessment	

## 16. OTHER INFORMATION

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties and does not establish a legally valid contractual relationship.