

# MATERIAL SAFETY DATA SHEET



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## **n-virol**

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### **1. PRODUCT IDENTIFICATION**

<b>Trade Name</b>	Epoxy Floor Seal Resin
<b>Description</b>	*Bisphenol a/f resin adduct

### **2. HAZARDOUS INGREDIENTS**

<b>Component</b>	<b>CAS No</b>	<b>Classification</b>	<b>Concentration</b>
*Bisphenol a/f resin adduct	-	Xi;R36/38, R43; N R51/53	30 - 50%
*Epoxy Mid Grey 00A09 Paste	-	Xi;R36/38; R43; N R51/53	50 – 70%

### **3. HAZARD IDENTIFICATION**

<b>Main hazards</b>	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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### **4. FIRST AID MEASURES**

<b>Inhalation</b>	Supply fresh air; consult doctor in case of symptoms.
<b>Skin contact</b>	Remove contaminated clothing immediately. Wash skin immediately with plenty of water and soap and rinse thoroughly. If skin irritation occurs, get medical advice.
<b>Eye contact</b>	Rinse eyes thoroughly with plenty of water for at least 10 minutes while holding eyelids open. If symptoms persist, consult a physician.
<b>Ingestion</b>	Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help. Do not give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder).
<b>Extinguishing media Not to be used</b>	All extinguishing media can be used.
<b>Special exposure hazards</b>	In combustion emits toxic fumes.
<b>Protective equipment</b>	Wear approved self-contained breathing apparatus and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Refer to section 8 for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
<b>Environmental Precautions</b>	Do not discharge into drains or rivers. Contain the spillage using bunding.
<b>Clean up procedures</b>	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 7. HANDLING & STORAGE

<b>Advice on safe handling</b>	Handle in accordance with good hygiene and safety practice.
<b>Storage conditions</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry in a cool environment.
<b>Further information</b>	Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure controls</b>	There are no occupational exposure limit values available.
<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>	Clear and Grey
<b>Odour</b>	Barely perceptible odour
<b>Relative Density</b>	1.35
<b>Water solubility</b>	Insoluble
<b>Flash point °C</b>	>100

## 10. STABILITY & REACTIVITY

<b>Stability</b>	Stable under normal conditions of handling
<b>Conditions to avoid</b>	Avoid strong heat
<b>Material to avoid</b>	Strong oxidising agents. Strong acids.
<b>Hazardous decompositions products</b>	In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

<b>Hazardous ingredients</b>	*Bisphenol A/F Epoxy Resin ORL RAT LD50 >2000mg/kg
<b>Chronic toxicity</b>	May cause sensitisation by skin contact.
<b>Routes of exposure</b>	Refer to section 4 for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	Readily absorbed into soil.
<b>Persistence and Degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Other adverse effects</b>	Toxic to aquatic organisms

## 13. DISPOSAL CONSIDERATIONS

<b>Advice on disposal</b>	In accordance with national and local authority regulations, e.g. hazardous waste or incineration.
<b>Contaminated packaging</b>	Treat empty containers in the same way as the product.

## 14. TRANSPORT INFORMATION

<b>Shipping name</b>	Environmentally hazardous substance, liquid, N.O.S (*Bisphenol a/f epoxy resin)
<b>UN No.</b>	3082
<b>Packing Group</b>	III
<b>ADR Class</b>	9
<b>Hazard ID No.</b>	90

## 15. REGULATORY INFORMATION

<b>Classification &amp; labelling</b>	This product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply ) Regulations [CHIP3.1] IRRITANT, DANGEROUS FOR THE ENVIRONMENT	
<b>Risk phrases</b>	R36/38 R43 R51/53	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Safety phrases</b>	S2 S24/25 S26  S37/39 S61	Keep out of reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. Avoid release to the environment.

**Note:**  
**The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.**

## 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.