

MATERIAL SAFETY DATA SHEET

MSDS

REICHHOLD

NORPOL PIGMENT PASTE

1. PRODUCT AND COMPANY

- Approved for use
 Approved for laboratory use
 Approved by Reichhold

TRADE NAME NORPOL PIGMENT PASTE

PRODUCT NAME NORPOL PIGMENT PASTE

APPLICATION COLOR PASTE FOR USE IN UPR RESINS & GELCOATS.

Producer/Importer Reichhold Inc.

Address P.O. Box 16911

Zip code & City Jebel Ali Free Zone, Dubai,

Telephone + 971 4 8168700

Fax + 971 4 8835887

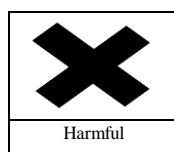
Contact Shrikumar Nair

2. COMPOSITION OF PRODUCT

| No | Ingredients name | CAS-NO | Cons. (weight %) | Classification |
|----|------------------|----------|------------------|--|
| 1 | Styrene | 100-42-5 | < = 45 | R10 Xn; R20-R48/20-65 Xi; R36/37/38 |

Styrene :REACH.NO: 01-2119457861-32

3. HAZARD IDENTIFICATION



FLAMMABLE. HARMFUL BY INHALATION. IRRITATING TO EYES AND SKIN. For potential danger to the environment, see section 12.

4. FIRST AID

GENERAL

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION

Provide fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. If unconscious place in the recovery position. Summon physician immediately.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water or use an appropriate skin cleaner. Do NOT use solvents or thinners.

EYE CONTACT

Remove any contact lenses. Hold the eyelids apart. Irrigate copiously with clean, fresh water for at least 10 minutes. Get medical advice if irritation persists.

INGESTION

DO NOT INDUCE VOMITING. If accidentally swallowed obtain immediate medical attention. Keep at rest. Seek medical advice.

5. FIRE FIGHTING MEASURES

NORPOL PIGMENT PASTE

PROPER FIREFIGHTING EQUIPMENT

Recommended: alcohol resistant foam, CO₂, powders, water spray. Not to be used: water jet.

FIRE AND EXPLOSION HAZARDS

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.

OTHER INFORMATION

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains.

6. ACCIDENTAL RELEASE MEASURES



| | |
|-----------------------------------|--|
| Personal Precautions: | Ensure adequate ventilation. |
| Environmental Precautions: | Prevent further leakage or spillage if safe to do so. |
| Methods for Containment: | No Information available. |
| Methods for Clean-up: | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). |

7. HANDLING AND STORAGE



HANDLING ADVICE

| | |
|------------------|--|
| Handling: | Avoid contact with skin, eyes and clothing. |
| Storage: | Keep containers tightly closed in a dry, cool and well-ventilated place. |

8. EXPOSURE CONTROL AND PERSONAL PROTECTION



| Ingredients name | CAS-no | TLV value | TLV Year |
|------------------|----------|-------------------------|----------|
| styrene | 100-42-5 | 420,0 mg/m ³ | 1996 |

EXPOSURE CONTROL

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulate and solvent vapors below the OELs, suitable respiratory protection should be worn. Spray mist contains all substances of the product and must not be inhaled. OELs are taken from the current version of EH40 (by Health & Safety Executive, UK).

RESP. PROTECTION

Gas mask with filter A (brown, organic substances) may be necessary. Gas mask with combined filter (gas filter A/dust filter P2) may be necessary when spraying.

EYE PROTECTION

Eye protection designed to protect against liquid splashes should be worn. **HAND PROTECTION**
For prolonged or repeated contact, use PVA or Viton gloves. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. never apply barrier cream to contaminated skin.

SKIN PROTECTION

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed. When spraying use suit covering the whole body.

9. PHYSICAL AND CHEMICAL PROPERTIES



NORPOL PIGMENT PASTE

| | |
|-----------------------------------|--------------------------|
| Appearance: | No information available |
| Odor: | No information available |
| Odor Threshold: | No information available |
| Physical State: | No information available |
| pH: | Not applicable |
| Flash Point: | No information available |
| Autoignition Temperature: | No information available |
| Boiling Point/Range: | No information available |
| Flammability Limits in Air | No information available |
| Lower: | No data available |
| Upper: | No data available |
| Specific Gravity: | No information available |
| Solubility: | No information available |
| Evaporation Rate: | No information available |
| Vapor Pressure: | No information available |
| Vapor Density: | No information available |
| VOC Content: | No information available |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Chemical Stability: | Stable under normal conditions. |
| Conditions to Avoid: | Heat, flames and sparks. |
| Incompatible Materials: | No materials to be especially mentioned. |
| Hazardous Decomposition Products: | None under normal use. |

11. TOXICOLOGICAL INFORMATION **GENERAL**

There is no toxicological data available on the product itself.

INHALATION

Exposure to organic solvent vapors may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous system. Symptoms and signs include headache; dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

SKIN CONTACT

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

EYE CONTACT

Splashes in the eyes may cause irritation and reversible local damage.

INGESTION

Accidental ingestion may cause vomiting and abdominal pains. Chemical pneumonia can occur if solvent fumes are inhaled.

CANCER

NORPOL PIGMENT PASTE

Styrene – Reasonably anticipated to be human carcinogen

12. ECOLOGICAL INFORMATION

MOBILITY

Sinks in water. Solubilize slowly.

OTHER INFORMATION

There is no data available on the product itself. Do not discharge the product to sewer or drains.

13. DISPOSAL

Waste Disposal Method: Dispose of in accordance with local regulations.

Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name: NOT REGULATED

TDG

Proper Shipping Name NOT REGULATED

IATA

IMDG/IMO

Proper Shipping Name NOT REGULATED

15. REGULATORY INFORMATION



Harmful

R-PHRASES R10 Flammable. R20 Harmful by inhalation. R36/38 - Irritating to eyes and skin.

S-PHRASES S23 Do not breathe vapour/spray. S38 In case of insufficient ventilation, wear suitable respiratory equipment.

REFERENCES The product is classified and labeled for supply in accordance with the CHIP Regulations.

16. OTHER INFORMATION

VENDOR NOTES

ISSUED: 01.01.2014

The information contained in this MSDS is based on the present state of knowledge and current national legislation. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information in this MSDS provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839). Further information and relevant advice can be found in: The Control of Substances Hazardous to Health Regulations 1988 (SI 1988:1657). The Highly Flammable Liquids and liquefied Petroleum Gases Regulations 197 (SI 1972:917). The Manual Handling Operations Regulations 1992 (SI 1992:2793). Storage of Flammable Liquids in Containers, HS(G)51. Storage of Packaged Dangerous Substances, HS(G)71.