

**MATERIAL SAFETY DATA SHEET**

Version: 19/08/2010

**Name: Unsaturated Polyester Resin****Date Issued: 02/04/2013****SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION**

Name: Unsaturated Polyester Resin

Date Issued: 02/04/2013

CAS no: n/a EC no.: n/a

UN No.: 1866 EAC: 127 Hazchem: 3[Y]E Kemler: 33 SAPMA: 2-H-E

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**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

[- R10][Xn R20][Xi R36/38]

EC Classification: - Xn R10,20,36/38 S02,13,26,43A,46,51

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

STYRENE

&gt;12.5%

[CAS #: 100-42-5] [E.C. #: 601-026-00-0]

EEC Labels: XN OEL 420mg OEL 100ppm STOEL 1050mg STOEL 250ppm CL+ S

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

**SECTION 3. HAZARDS IDENTIFICATION**

SAPMA Health Rating: 2-MODERATE - Temporary or minor injury possible even if treatment given

Inhalation: HARMFUL. Excessive exposure to this material must be avoided.

Skin: Highly irritating. Risk of dermatitis. May be absorbed through intact skin.

Eyes: Irritating - may cause damage if not given prompt attention.

Ingestion: Harmful if swallowed. Can affect CNS. Systemic poison.

No carcinogenic, mutagenic or genetic effects established

Medium to long term environmental effects. Contain, collect &amp; remove.

**SECTION 4. FIRST AID MEASURES**

Inhalation: Move to fresh air. In case of discomfort seek medical attention.

Skin: Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.

Eyes: Rinse well with water and seek medical advice if discomfort persists.

Ingestion: Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical advice.

**SECTION 5. FIRE FIGHTING MEASURES**

Flammable with toxic fumes. Potential for spontaneous combustion.

Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!

Foam. CO2. Dry powder. Fog to cool and control. Do NOT use water jets.

Cool containers in case of fire.

**SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13**

Contain &amp; Collect. Use inert NOT sawdust. Remove waste to safe place - potential for spontaneous combustion.

**SECTION 7. HANDLING AND STORAGE**

Store separately from any reactive substances - oxidisers in particular.

No open flames. No smoking.

Keep containers cool. Avoid free fall of liquid - use earthing.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

SAPMA Rating: 2-H-E PPE: Respirator and Eye protection

Inhalation: In case of insufficient ventilation, use suitable respiratory protection.

Skin: AVOID CONTACT. Use impervious gloves, apron and boots.

Eyes: Avoid any form of direct contact. Do not touch eyes with dirty hands or gloves.

Ingestion: Observe the rules of hygiene. Wash before eating, drinking or smoking.

OEL Type: Mix- Mixture - See Section 2 Skin annotation



## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Chemical class : RESIN SOLUTION      Description : Viscous liquid      Smell : Pungent  
Boil. pt (C) : >35 (145°C)  
FlashPoint (C) : >23 (31°C)

## **SECTION 10. STABILITY AND REACTIVITY**

Potential for exothermic reaction  
Could generate static - USE EARTHING  
Potential for spontaneous combustion  
Very unstable with heat &/or water

## **SECTION 11. TOXICOLOGICAL INFORMATION**

No carcinogenic, mutagenic or genetic effects established

## **SECTION 12. ECOLOGICAL INFORMATION**

Medium to long term environmental effects. Contain, collect & remove.

## **SECTION 13. DISPOSAL INFORMATION**

Use reputable waste contractors - potential for spontaneous combustion. Care with used containers.

## **SECTION 14. TRANSPORT INFORMATION**

UN No : 1866 : RESIN SOLUTION    Contains STYRENE  
Packing group : III      IMO Class : 3.3      Marine Pollutant Class : 1  
EAC : 127      Hazchem : 3[Y]E      Kemler : 33



## **SECTION 15. REGULATORY INFORMATION**

EC no. : n/a    Contains : STYRENE MONOMER  
EC Classification : - Xn R10,20,36/38 S02,13,26,43A,46,51  
R10 - Flammable  
R20 - Harmful by inhalation  
R36/38 - Irritating to eyes and skin  
S2 - Keep out of reach of children. (Retail sales items)  
S13 - Keep away from food, drink and animal feeding stuffs  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S43A - In case of fire, use water fog, foam or powder - Do not use water jets!  
S46 - If swallowed seek medical advice immediately and show this container or label  
S51 - Use only in well ventilated areas



## **SECTION 16. OTHER INFORMATION**

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.  
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

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This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)  
OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)  
SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)  
All information is given in good faith but without guarantee in respect of accuracy.  
No responsibility is accepted for errors or omissions or the consequences thereof.