



# Material Safety Data Sheet



Trade Name: **NCS WAXSOL 10**

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Printed 22-Sep-13

NDS022/268

Compiled 2010-02-28

## 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME** NCS WAXSOL 10

**MANUFACTURER / SUPPLIERS**

Street address:

10 Pease CT Bethania QLD 4205

Telephone:07 30404350

24 hour EMERGENCY TELEPHONE No.0416273283  
Poison Information Centre 131126

## 2. COMPOSITION & INFORMATION ON INGREDIENTS

**Chemical Name**

**Chemical Family**

**Chemical Abstracts Registry No. (CAS No.)**

Mixture

**Ingredients contributing to hazard.**

**XYLENE**

< 97%

**CAS No. 1330-20-7**

**RISK PHRASES**

R 10

R 20/21

R 38

**Flammable.**

**Harmful by inhalation and in contact with skin.**

**Irritating to skin**

**SAFETY PHRASES**

S25

**Avoid contact with eyes.**

## 3. HAZARD IDENTIFICATION

**MAIN HAZARDS**

Flammable

Flash Point 27°C

**HEALTH**

**Health Effects –Eyes, Skin, Inhalation.**

May cause irritation to eyes, skin and respiratory tract.

**Health Effects - Ingestion**

May result in severe gastrointestinal irritation. Practically non-toxic.

## 4. FIRST - AID MEASURES



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## First Aid - Eyes

Immediately flood the eyes with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if any pain or redness develops or persists.

## First Aid - Skin

Wash skin thoroughly with soap and water. Obtain medical attention if redness persists.

## First Aid - Ingestion

Wash mouth with water. Do not induce vomiting. Obtain medical attention urgently.

## First Aid - Inhalation

Remove from exposure. Keep warm and at rest. If there is difficulty in breathing, give oxygen. If breathing stops or gives signs of failing, give artificial respiration. If heart beat absent, give external cardiac compression. (CPR) Obtain medical attention

## Advice to Physicians

Material if aspirated into the lungs may cause chemical pneumonitis.

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## 5. FIRE - FIGHTING MEASURES

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### Extinguishing Media

Use water fog, foam (AFFF), dry chemical, or carbon dioxide.

### Unsuitable Extinguishing Media

Do not use water jet.

### Special Hazard Products

Moderate to severe explosion hazard in confined spaces. Be aware of possibility of re-ignition.

### Protection for Fire-fighters

Wear self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Personal Precautions

Consider need for evacuation. Eliminate all sources of ignition. Wear appropriate clothing. Wear respiratory protection. Beware of vapours accumulating to form explosive concentrations.



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## Environmental Precautions

Try to prevent the material from entering drains or watercourses. Advise Authorities if spillage has entered watercourses or sewer or has contaminated soil or vegetation.

## Spillage

Contain or absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Take precautionary measures against static discharges. Beware of gas accumulating to form explosive concentrations.

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## 7. HANDLING AND STORAGE

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### Handling

Use in well-ventilated area. Adequate ventilation should be provided if there is a risk of vapour build up.

Avoid inhaling vapour. Avoid contact with eyes, skin and clothing.

### Storage

Store in a cool area, away from heat and ignition

Storage area should be well ventilated..

Storage and transfer equipment should be adequately earthed and bonded to prevent accumulation of static charges.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### OCCUPATIONAL EXPOSURE GUIDELINES:

Occupational Health and Safety Act, 1993

Regulations for Hazardous Chemical Substances 1995 Table 1 & 2.

TWA OEL CL 100ppm

(Xylene)

### ENGINEERING CONTROL MEASURES

Provide good mechanical ventilation with a non-sparking, grounded ventilation system exhausting directly to the outside. Electric lighting and plugs to be explosion proof. Ensure that eyewash station and safety showers are proximal to the workstation location.

### PERSONAL PROTECTION EQUIPMENT

#### - RESPIRATORY PROTECTION.

Approved respiratory equipment should be worn if vapours exceed occupational exposure level (OEL)

#### - HAND PROTECTION.

Impervious gloves. Evaluate the resistance of the product under conditions of use.

#### - EYE PROTECTION



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Wear approved safety glasses or chemical goggles or a face shield. Have an emergency eyewash station readily available in the working area.

## - SKIN & BODY PROTECTION

Impervious gloves, coveralls, boots, and/or other resistant protective clothing. Have a safety shower/ eye wash fountain readily available in the immediate work area.

## HYGIENE MEASURES.

Do not eat, drink or smoke in workplace. Wash hands before eating.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>PHYSICAL STATE</b>	Liquid		
<b>Colour</b>	Water white		
<b>ODOUR</b>	Xylene		
<b>pH</b>	Not applicable		
<b>BOILING POINT/RANGE</b>	>154 °C	Xylene	
<b>FREEZING POINT</b>	Not available		Xylene
<b>FLASH POINT</b>	27 °C		Xylene
<b>FLAMMABILITY</b>	LEL 1.1% UEL 7.0%		Xylene
<b>AUTO IGNITION TEMPERATURE</b>	Not available		Xylene
<b>EXPLOSIVE PROPERTIES</b>	LEL 1.1% UEL 7.0%	Xylene	
<b>OXIDISING PROPERTIES</b>	Not available		
<b>VAPOUR PRESSURE</b>	0.72 kPa @ 20°C		Xylene
<b>DENSITY</b>	0.86 g cm <sup>-3</sup> @ 25°C		
<b>SOLUBILITY - WATER</b>	Practically insoluble		
<b>VAPOUR DENSITY (Air=1)</b>	3.5		Xylene

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## 10. STABILITY AND REACTIVITY

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### STABILITY

Stable under normal storage conditions.

### CONDITIONS TO AVOID

Heat, sparks, open flames, ignition sources

### MATERIALS TO AVOID



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Strong oxidising agents. Active metals, halogens and acids.

## **HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon dioxide and carbon monoxide.

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## **11. TOXICOLOGICAL INFORMATION**

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### **ACUTE TOXICITY**

Acute oral LD 50 (rat) is 4300 mg.kg<sup>-1</sup>. Practically non-toxic

### **INHALATION TOXICITY**

Inhalation Toxicity (rats) LC50. Harmful greater than 2 mg/l but less than 5 mg/l. Based on testing of similar products and/or the components.

### **IRRITATION**

#### **EYES, SKIN, INHALATION.**

Causes moderate irritation to skin eyes and respiratory tract.

### **CHRONIC or LONG TERM TOXICITY**

### **CARCINOGENICITY**

**There is no evidence of carcinogenicity due to xylene.**

### **REPRODUCTIVE HAZARDS**

There are no known reproductive effects in humans exposed to xylenes.

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## **12. ECOLOGICAL INFORMATION**

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### **MOBILITY**

Spillage may penetrate the soil causing ground water contamination.

### **ENVIROMENTAL EFFECTS**

This material is toxic to fish and wildlife..

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## **13. DISPOSAL CONSIDERATIONS**

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## DISPOSAL METHODS

Disposal should only occur under conditions approved by local authorities.

## 14. TRANSPORT INFORMATION

TARIFF No.	3403
UN No.	1993
Substance Identity No. S.I.N.	SABS 0232-3
Emergency Action Code EAC	SABS 0232-3
SABS 0228:1995	S.I.N.
SABS 0228:1995	Technical Name
SABS 0228:1995	Class
SABS 0228:1995	Danger Group
SABS 0228:1995	Subsidiary Risks
SABS 0228:1995	Packaging Methods SABS 0229
IMDG - SHIPPING NAME	Flammable liquid N.O.S.
IMDG - CODE	Page 3345
IMDG - CLASS	3.3
IMDG - PACKAGING GROUP	111
IMDG - MARINE POLLUTANT	No
IMDG - EMS No.	3-07
IMDG - MFAG TABLE No.	310
IATA - SHIPPING NAME	Flammable liquid N.O.S.
IATA _ CLASS	3
IATA - SUBSIDIARY RISK (S)	Nil
IATA - PACKAGING GROUP	111
IATA - PACKAGING INSTRUCTION Passenger	309
IATA - PACKAGING INSTRUCTION Cargo	310
TREMCARD No.	Not available

## 15. REGULATORY INFORMATION

<u>RISK PHRASES</u>	R 10 R 20/21 R 38	Flammable. Harmful by inhalation and in contact with skin. Irritating to skin
<u>SAFETY PHRASES</u>	S25	Avoid contact with eyes.

## NATIONAL LEGISLATION

South African Hazardous Substance Act 15 of 1973  
South African Occupational Health & Safety Act (85 of 1993)

## 16. OTHER INFORMATION



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Ref: ENGEN Petroleum Limited

MSDS on Xylene

1997/08/04

Occupational Health and Safety Act, 1993 Annexure 1.

Regulations for Hazardous Chemical Substances, 1995

SABS 0228-1995 The identification and classification of dangerous substances and goods

SABS 0232-3:1997 Annex A Emergency Response Handbook

NCS RESINS Application Sheet APP 025/021 Bulk storage and handling of polyester resins.

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## APPENDIX

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MSDS PREPARATION DATE

02/02/2002

COMPILED BY

Sven Liljestrand

REVISED BY

Rohan Mohabir

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## EXCLUSION OF LIABILITY

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Information contained in this publication is accurate at the date of publication to the best of the knowledge of NCS Resins. The company does not accept liability whatsoever arising from the use of this information, or the use, application, adaptation, or processing of any products described herein.