

# MATERIAL SAFETY DATA SHEET

Conforms to ISO 11014-1

## PRODUCT: PENETRATING OIL

### 1. Product and Company Identification

Commercial name of Product: **SEALER COLOURED**  
UN Number: **1866** C.A.S. number: Mixture

**Manufacturer:** **Chemicals & Research cc,**  
12 Regents Avenue,  
Anzac,  
BRAKPAN  
**Supplier:** **Rystix Sales CC**  
P O Box 1053  
PORT ELIZABETH  
6000

**Emergency telephone number: +27 41 365 7172 Fax no: +27 41 365 6973**

### 2. Composition/Information on ingredients

Substance/preparation: Preparation  
Information on hazardous ingredients

Chemical name	CAS No.	%	Symbol	R-Phrases
Low aromatic white spirit	63394-00-3	60 – 70%	F	R10, R16, R18, R20/21/22
Aromatic solvent		2 – 8	F	R10, R16, R18, R20/21/22
Zirconium Octoate	15104-99-1	0.15	Xi	R10, R22-R36/R38-R43
Calcium Octoate	136-51-6	0.20	Xi	R10, R22-R36/R38-R43
Cobalt Octoate	36-57-7	0.05	Xi	R10, R22-R36/R38-R43

Occupational exposure limits, if available, are listed in section 8.

### 3. Hazards identification

Physical/chemical hazards: Flammable.  
Explosive when mixed with oxidizing substances.  
In use may form flammable/explosive air/vapour mixtures.  
Human health hazards: Harmful by inhalation, in contact with the skin and if ingested.  
Irritating to the eyes.  
Environmental hazards: Harmful to aquatic organisms.

### 4. First aid measures

#### Effects and symptoms

Inhalation: Slightly hazardous by inhalation (lung irritant).  
Ingestion: Slightly hazardous if ingested.  
Skin contact: Slightly hazardous in case of skin contact (irritant, sensitizer).  
Eye contact: Slightly hazardous in case of eye contact (corrosive, irritant).  
Aggravating conditions: None known.

#### First aid measures

Inhalation: Allow exposed persons to rest in a well-ventilated area.  
Ingestion: Do not induce vomiting. Rinse out mouth with copious quantities of water and obtain medical attention.  
Skin contact: Wash contaminated skin with water and soap.

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Eye contact:

Check for and remove contact lenses and rinse the eyes with clean water.  
Obtain medical attention.

Note to Physician:

Treat symptomatically.

Protection of first-aiders:

Wear a surgical mask and latex gloves.

## 5. Fire fighting measures

Suitable extinguishing media:

Small fire: use dry powder,  
Large fire: use alcohol resistant foam, never use strong water jets.

Special fire-fighting procedures:

Remove unaffected containers, if safe.  
Keep all persons up-wind from fire.

Unusual/explosion hazards:

Unopened containers may explode if subjected to fire.

Hazardous thermal decomposition  
Products:

Oxides of Carbon.

Protection of fire-fighters:

Fire fighters should wear full turn-out gear and correct type respirators.

## 6. Accidental release measures

Personal precautions:

Splash goggles, gloves, boots, respirator, full suit.

Environmental precautions  
and clean-up methods:

Do not allow spilt material to enter sewers or streams. Dyke in if necessary.  
Absorb spilt material onto a suitable absorbant and dispose of in an approved dump.

## 7. Handling and storage

Handling:

Use chemical resistant gloves to protect hands, together with splash goggles.

Storage:

Store in a cool, dry place away from heat and sources of ignition

Suitable packaging materials:

Sturdy metal containers.

## 8. Explosion controls/Personal protection

Engineering controls:

Provide adequate ventilation.  
Ensure that the correct type of eye wash station is in the vicinity of the work place.

Hygiene measurers:

Wash hands before leaving the work place.

### **Occupational exposure limits:**

Hazardous ingredients	TLV/PEL
Low aromatic white spirit	TWA: 200 ppm from ACGIH (1997) Inhalation, Respirable.
Aromatic solvent	TWA: 100 ppm from ACGIH (1997) Inhalation, Respirable

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### 9. Physical and Chemical properties

Physical state and appearance:	Clear homogenous free-flowing liquid.
Colour:	Colourless to dark straw.
Odour threshold:	Not available.
Boiling point:	>125°C.
Melting point:	<0°C.
Bulk density:	0,86 @ 20°C.
Vapour density:	Not available.
Vapour pressure:	Not available.
Evaporation rate:	>1 (Butyl Acetate =1)
Solubility:	Soluble in solvents only.
Octanol/water partition coefficient:	The product is more soluble in oil than in water.
pH:	N.A.
Flashpoint:	38°C (PMCC).
Flammability:	Flammable.
Auto ignition point:	Not known
Explosion properties:	Highly explosive in presence of fire and sparks. Explosive in presence of heat.
Viscosity:	N.A.

### 10 Stability and reactivity

Stability:	Product is stable.
Conditions to avoid/ materials to avoid:	Exposure to temperatures >60°C should be avoided. Exposure to acids is to be prevented.
Hazardous reactions:	None known.
Hazardous decomposition products:	Oxides of Carbon.

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## 11. Toxicological information

Acute data [LD50, LC50]  
Toxicity to test animals:

Acute oral toxicity for product > 2700 for Aromatic solvent [Rat].

### Local effects:

Skin irritation:

Non-corrosive to the skin.

Eye irritation:

Slightly hazardous in case of eye contact (irritant).

Sensitization:

Slightly hazardous in case of skin contact (sensitizer).

Chronic toxicity:

None known.

### Specific effects:

Carcinogenic effects:

None known.

Mutagenic effects:

Not available.

Reproduction effects:

Not available.

## 12. Ecological information

Mobility:

Slightly mobile in nature.

Persistence/degradability:

Product is not freely biodegradable.

Bioaccumulation potential:

Unknown.

Ecotoxicity:

Product is harmful to aquatic organisms.

## 13. Disposal considerations

### Methods of disposal

Waste or residues

Dispose of in accordance with national legislative requirements.

Contaminated packaging:

Dispose of in accordance with national legislative requirements.

## 14. Transport information

### International transport regulations

**UN number:**

**1866**

Land - Road/Railway:

Proper shipping name:

Resin solution, flammable n.o.s. (Low aromatic white spirit & Aromatic solvent).

ADR/RID class:

3.

ADR/RID item number:

3.3

Packing group:

b.

Hazard identification number:

Not available.

ADR/RID label:

F

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## Sea:

Proper shipping name: Resin solution, flammable n.o.s. (Low aromatic white spirit & Aromatic solvent).  
IMDG Class: 3.3  
IMDG page no.: 3279  
IMDG label: F  
Medical First Aid Guide [MFAG]: 310  
Emergency Schedule [EmS]: 3-05  
Marine pollutant: P

## Air:

Proper shipping name: Resin solution, flammable n.o.s. (Low aromatic white spirit & Aromatic solvent).  
UN/ID no.: 1866  
IATA-DGR Class: Not available.  
IATA label: F

## 15. Regulatory information

Hazard symbols: F, P  
Risk phrases: R10 Flammable,  
R16 Explosive when mixed with oxidizing substances,  
R18 In use it may form flammable/explosive air/vapour mixtures,  
R20/21/22 Harmful by inhalation, in contact with the skin and if inhaled,  
R36/38 Irritation to eyes and skin,  
R43 May cause sensitivity by skin contact,  
Safety phrases: S2 Keep out of reach of children,  
S13 Keep away from food, drink and animal foodstuffs.  
S46 If ingested seek medical attention and show this document,  
Child protection: Prevent children access to this product.  
Contains: Low aromatic white spirit,  
Aromatic solvent.

## 16. Other information

### History

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### **E. & O.E.**

### NOTICE TO READER

### Disclaimer

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