

MATERIAL SAFETY DATA SHEET

(In accordance with SANS ISO 11014-1)

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PHENOL Indicator

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name : Phenol indicator
Product code : SUN01
Recommended use : Indicator for CCA titrations

Supplier : Arch Wood Protection (SA) (Pty) Ltd

Address : PO Box 54344, Marburg, 4252
Emergency Telephone Number : Office Hours - 039 688 6801 (Office)
All Hours - 0800 202 202 (Drizit)
ACEAN - 001-800-654-6911 / 001-423-780-2970
Fax No. : 039 682 6022 (Office)

Section 2 - COMPOSITION/INFORMATION ON COMPONENTS

Substance / preparation : Preparation
Chemical nature : Solution in water

Hazardous components :-

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>	<u>EEC symbols & risk phrases</u>
Ethyl alcohol	64-17-5	48.0 – 52.0 % m/m	F; R11

Section 3 - HAZARDS IDENTIFICATION

Classification
Dangerous goods : UN 1993
Risk Symbols : F
Risk Phrases : R10
Physical/chemical hazards : Flammable
Human health hazard : Weak eye irritant
Environmental health hazard : May be harmful

Section 4 - FIRST AID MEASURES

Eye contact : Flush contaminated eye(s) with lukewarm water. Obtain medical attention if symptoms persist.

Skin contact : No special precautions.

Ingestion : Do not induce vomiting. Administer 250 water to dilute stomach contents. Seek medical advice if symptoms persist. Treat symptoms.

Inhalation : Move victim to fresh air.

Section 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media : Dry chemical, CO₂, water spray, regular foam.
Special protective equipment : Normal bunker gear.
Specific hazards : Harmful vapour may form if breakdown occurs in large fires.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions : Prevent sources of ignition. Prevent inhalation of fumes.
Environmental precautions : Prevent material from entering sewers or water courses.
Methods for cleaning up : Collect and dispose as ordinary waste.

Section 7 - HANDLING AND STORAGE

Safe handling advice : Prevent splashes and inhalation of fumes.

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Storage conditions : Store in cool well ventilated area. Eliminate sources of ignitions.

Section 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**Exposure limits**

Ethyl alcohol : 1000 ppm (TLV-TWA) recommended

Personal protective equipment

:-

Eye protection

: Face shield when handling large quantities.

Skin and body protection

: No special precautions required.

Protective measures

: Eye wash station.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**Physical state**

: Liquid

Colour

: Clear

Odour

: Alcoholic

Initial Boiling point

: 78.5 °C

Flash point

: 22.2 °C

Specific gravity

: 0.89

Water solubility

: Partially Soluble

Section 10 - STABILITY AND REACTIVITY**Conditions to avoid**

: Open flames. Hot, poorly ventilated areas.

Materials to avoid

: Oxidizers, peroxides, perchlorates, permanganates, nitrates.

Hazardous decomposition products : Oxides of carbon in large fires.

Hazardous polymerisation

: Will not occur.

Section 11 - TOXICOLOGICAL INFORMATION**Acute toxicity inhalation**

Ethyl alcohol : 20 000ppm/10h/rat/LC50

Acute dermal toxicity

Ethyl alcohol : No information found

Eye irritation

Ethyl alcohol : 500 mg/24h/rabbit/mild

Skin irritation

Ethyl alcohol : 20 mg/24h/rabbit/moderate, std Draize test

Carcinogen

Ethyl alcohol : Category A4

Acute Exposure symptoms

Ethyl alcohol : CNS depression. Inebriation. Narcosis. Coma. Respiratory failure.

Section 12 - ECOLOGICAL INFORMATION**Persistence / degradability**

Ethyl alcohol : BOD = 24%/1-5d/activated sludge. Negative bioaccumulation.

Ecotoxicity

Ethyl alcohol : 1300 mg/l/96h/rainbow trout/LC50

Section 13 - DISPOSAL CONSIDERATIONS**Product**

: Dispose as hazardous waste.

Containers

: Dispose as hazardous waste.

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Contaminated packaging : Dispose as hazardous waste.

Section 14 - TRANSPORT INFORMATION

Road and rail transport

UN No : 1993
Shipping name : FLAMMABLE LIQUID, N.O.S.
Class : 3
Packing Group : III
ERG : 128



Sea transport (IMDG)/ Air transport (IATA)

UN No : 1993
Shipping name : FLAMMABLE LIQUID, N.O.S.
Class : 3
Packing Group : III



Section 15 - REGULATORY INFORMATION

15.1 - National legislation (South Africa)

Hazardous substances : Occupational Health And Safety Act, Act 85 of 1995 - Regulations for hazardous chemical substances.
Waste disposal : National Water Act, Act 36 of 1998

15.2 Other regulations

1999/45/EEC requirements

Hazard Symbols : F

Hazard labels :



Risk phrases : R10 - Flammable

Safety phrases : S2 – Keep out of the reach of children
S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 – After contact with skin, wash immediately with plenty of soap-suds

Section 16 - OTHER INFORMATION

16.1 This Material Safety Data Sheet has been prepared using data supplied by the manufacturers of the ingredients and summarises our best knowledge, at the date of issue, and of the health and safety information of the product and how to safely handle and use the product in the workplace. Since Arch Wood Protection (SA) (Pty) Ltd cannot anticipate or control the conditions under which the product may be used, each user must prior to usage, review this Material Safety Data Sheet in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Arch Wood Protection (SA) (Pty) Ltd.

16.2 Original : January 1999

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September 2012 – Revision 6
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End of MSDS