



SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Catalogue No : Z 10171

Product Name : Zimmermann Reagent

Manufacture / Supplier Identification Company : **Nice Chemicals (P) Ltd.**,
PB No: 2217, Manimala Road,
Edappally, Kochi - 682 024, Kerala, India.

Contact for Information : **Tel:** 91-484-2800212, 2802755, 2802536, 2801583
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization

Synonyms :

CAS - No :

Molar Mass :

Molecular Weight :

Molecular Formula :

EC - INDEX No :

EC - No :

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
[EC-GHS/CLP] : No data available

Classification according to EU Directives 67/548/EEC or
1999/45/EC : No data available

Label Elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Signal word : Danger

Hazard statement(s)

R-pharse(s)



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R 35 : Cause severe burns

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S-phrase(s)

S 1/2 : keep locked up & out of reach of children

S36/39 : Wear suitable protective clothing, gloves and eye/face protection.

S30 : Never add water in to this product

S 45 : In case of accident or if you are feeling unwell , seek medical advice immediately

Other Hazards : none

4 FIRST AID MEASURES

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

After Inhalation : If breathed in, move person into fresh air, If not breathing, give artificial respiration. Consult a physician

After skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

After eye contact : Flush eyes with water as a precaution.

After swallowing : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most Important symptoms and effects, both acute and delayed : no data available

Most important symptoms and effects, both acute and delayed : no data available

Indication of any immediate medical attention and special treatment needed : no data available

5 FIRE - FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : No data available

Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further Information : No data available

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. : Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental-protection : Do not let product enter drains.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. : Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for safe handling : Avoid formation of dust and aerosols. : Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in : a dry and well-ventilated place. Air and light sensitive. Hygroscopic.

Specific end users : no data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter : Components with workplace control parameters

Exposure Controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection : Face shield and safety glasses Use equipment for eye protection tested and approved under : appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. : The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

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Immersion protection

Material : Nitrile rubber
Minimum layer thickness : 0, 11mm
Break through time : > 480min

Splash contact

Material : Nitrile rubber
Minimum layer thickness : 0, 11mm
Break through time : > 30 min

Body Protection : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance **Form** : Clear liquid

Colour :

Odour : No data available

Odour Threshold : No data available

pH : 1

Melting Point/Freezing point : No data available

Initial Boiling point and boiling range : No data available

Flash Point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits : No data available

Vapour Pressure : No data available

Vapour Density : No data available

Relative density : No data available

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Water solubility : Soluble

Partition coefficient: noctanol/water : No data available

Autoignition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Other Safety information : No data available

Bulk density : No data available

10 STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Conditions to be avoided : Excessive heat

Substance to be avoided : No data available

Possibility of hazardous reactions : No data available

incompatible materials : Alkalis, hypochlorites, organic materials,
sulphites, sulphides, cyanides, aluminum, phosphorus,
tin and zinc

11 TOXICOLOGICAL INFORMATION

Acute Toxicity : No data available

Further toxicological Information

Carcinogenicity : No data available

Skin corrosion/irritation : No data available

Eye Irritation test (rabbit) : No data available

Respiratory or skin Sensitization : No data available

Germ cell mutagenicity : May alter genetic material.
In vivo tests showed mutagenic effects

After Inhalation : May be harmful if inhaled. Material is extremely
destructive to the tissue of the mucous membranes
and upper respiratory tract

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|--|---|
| After Skin contact | : May be harmful if absorbed through skin. Causes skin burns. |
| Eyes | : Causes eye irritation. |
| After swallowing | : No data available |
| After swallowing of large amounts | : No data available |
| Further data | : No data available |
| Reproductive toxicity | : No data available |
| Specific target organ toxicity-single exposure | : No data available |
| Specific target organ toxicity-repeated exposure | : No data available |
| Signs and symptoms of Exposure | : No data available |
| Additional Information | : RTECS : Not available |

12 ECOLOGICAL INFORMATION**Toxicity**

| | |
|------------------------------------|---------------------|
| Toxicity to fish | : No data available |
| Persistence and degradability | : No data available |
| Biodegradability | : No data available |
| Bioaccumulative potential | : No data available |
| Bioaccumulation | : No data available |
| Mobility in soil | : No data available |
| Results of PBT and vPvB assessment | : No data available |
| Other adverse effects | : No data available |

13 DISPOSAL METHOD**Waste treatment methods**

| | |
|------------------------|--|
| Product | : Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. |
| Contaminated packaging | : No data available |

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14 TRANSPORT INFORMATION

UN number : ADR/RID: 1760 IMDG:
1760 IATA: 1760

UN Proper shipping name : ADR/RID: CORROSIVE LIQUID, N.O.S.
IMDG: CORROSIVE LIQUID, N.O.S.
IATA: CORROSIVE LIQUID, N.O.S.

Transport hazard class(es) : ADR/RID: 8 IMDG: 8
IATA: 8

Packaging group : ADR/RID: II IMDG: II
IATA: II

Environmental group : ADR/RID: - No IMDGMarine pollutant: No
IATA: -no

Special precaution for user : No data available

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture : This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment : For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.