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BORSCHE'S REAGENT FOR DETECTION OF KETONES

MATERIAL SAFETY DATA SHEET SDS/MSDS

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Borsche's Reagent For detection of Ketones

Product code : 811000

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Industrial & for professional use only.

1.3 Details of the supplier of the safety data sheet

Company : Central Drug House (P) Ltd

7/28 Vardaan House Ansari Road Daryaganj New Delhi -110002

INDIA

Telephone : +91 11 49404040

Email : <u>care@cdhfinechemical.com</u>

1.4 Emergency telephone number

Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

SECTION 2: Hazards identification

2.1 GHS CLASSIFICATION

Flammable liquids (Category 2)
Acute toxicity, Oral (Category 3)
Acute toxicity, Inhalation (Category 3)

2.2 GHS LABEL ELEMENTS



2.3 Pictograms or Hazard Symbols

Signal word Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H370 Causes damage to organs.

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 3: Composition/information on ingredients

3.1 Component(s)-

CAS No.-

Percent-

Substance/Mixture Mixture

Synonym-

Chemical Formula -

SECTION 4: First aid measures

4.1 Inhalation

If breathed in, move victim into fresh air. Keep at comfortable position for breathing. Get medical advice.

4.2 Skin contact

Remove contaminated clothes immediately and wash gently with plenty of soap and water.

Get medical advice.

4.3 Eye contact

Remove contact lenses, if present. Rinse thoroughly with plenty of water for several minutes. Get medical advice.

4.4 Ingestion

Do NOT induce vomiting. Rinse mouth with water. Get medical advice.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear personal protective equipment for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment (self-contained breathing apparatus). Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Remove all sources of ignition.

6.2 Environmental precautions

Prevent further leakage/spillage. Do not let product enter drains/rivers.

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, dry and well-ventilated place. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1 Engineering controls

Ensure adequate ventilation. Install safety shower and eye bath. Good industrial hygiene and safety practice should be followed. Wash hands after handling the product.

8.2 Eye/face protection

Face shield and safety glasses, if required.

8.3 Hand protection

Handle with gloves. Dispose of contaminated gloves after use. Wash and dry hands.

8.4 Skin and Body Protection

Impervious protective clothing and boots, if required.

8.5 Respiratory protection

Use half or full-face respirator with multi-purpose combination. 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance orange to yellow clear liquid

Odour no data available

Odour Thresholdno data available

рΗ no data available Melting/freezing point no data available Boiling point/range no data available no data available Flash point no data available Evapouration rate Vapour pressure no data available Vapour density no data available no data available Relative density

Water solubility soluble

LogPow no data available
Auto-ignition temperature pecomposition temperature
Viscosity no data available
Explosive properties no data available
Oxidizing properties no data available

SECTION 10: Stability and reactivity

10.1. Reactivity

no data available

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Incompatibilities

Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids.

10.4. Hazardous decomposition

carbon oxide

10.5. products

Conditions to avoid

Heat, flames and sparks.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation no data available
Serious eye damage/irritation no data available
Respiratory/skin sensitization no data available
Germ cell mutagenicity no data available

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is

identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity no data available

Specific target organ toxicity
Single exposure: no data available
Repeated exposure: no data available

Aspiration hazard no data available RTECS Not available

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish no data available
Toxicity to daphnia and no data available

other aquatic invertebrates

Persistence/degradation no data available Environmental no data available

SECTION 13: Disposal considerations

Dispose of contaminated packaging or unused product as per local law and regulations.

There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

SECTION 14: Transport information

UN number 1230

Proper shipping name METHANOL SOLUTION

Hazard class 3
Packaging group II

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance/mixture: no data available

SECTION 16: Other information

Product Use: Laboratory Reagent.

Please read all labels carefully before using product.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.