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Learning
Resources®

TB15831

SAFETY DATA SHEET

THERMOMETER

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Thermometer

Company: Ningbo Cichen Yuda Thermometer & Instruments Factory

Address: Zhangjia Bridge (Down the Hero Reservoir), Yunhu, Cicheng, Jiangbei District
Ningbo City, Zhejiang Province, 315031, P.R. China

Email: maoqiliang@nb-yuda.com

Fax: +86-574-87597248

Emergency Phone: +86-574-87597228

SDS Date: 2016-08-15

SECTION 2 - HAZARDS IDENTIFICATION

Hazards Identification:

The internal material:
Classification according to GHS:
Flammable Liquids (Category 3)
Skin Corrosion/Irritation (Category 2)
Specific target organ toxicity – single exposure (Category 3) (Respiratory tract irritation)
Aspiration hazard (Category 1)
Other data for classification are unknown

Emergency Overview:

The internal material:
Flammable liquid and vapour.
Causes skin irritation
May cause respiratory irritation
May be fatal if swallowed and enters airways.

SECTION 3 - INFORMATION ON INGREDIENTS

Product Name: Thermometer

| Ingredient | Concentration | CAS No. | EC No. |
|--------------------|---------------|----------|-----------|
| Wooden scale plate | / | / | / |
| Class tube shell | / | / | / |
| Kerosene | / | 800-20-6 | 232-366-4 |

SECTION 4 – FIRST-AID MEASURES

Skin Exposure:

In case of skin contact with the liquid inside, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.

Eye Exposure:

In case of eye contact with the liquid inside, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

Inhalation Exposure:

In case of inhalation of the liquid inside, remove to fresh air. If necessary, get medical attention.

Oral Exposure:

If swallowed the liquid inside, immediately wash out mouth with water provided person is conscious. Call a physician.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable: Dry chemical, Carbon dioxide or appropriate foam. For small fires, use media such as alcohol foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation.

Methods for Cleaning up:

Mix with inert material (e.g. dry sand, vermiculite) and transfer to a dry, clean, lidded container for disposal. Avoid inhalation. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 – HANDLING AND STORAGE

Handling:

Wear appropriate protective clothing and chemical safety gloves. Avoid contact with eyes and skin. Avoid inhalation. Avoid prolonged or repeated exposure. Keep container tightly closed. Do not expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Electrostatic charges may be generated during pumping. Ensure electrical continuity by bonding all equipment. Keep away from heat, sparks and flame. Incompatibilities: Strong oxidizing agents, Strong bases, Strong acids, Amines and combustible materials. No smoking at working site. Use non-sparking tools.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area. Incompatibilities: strong oxidizing agents, Strong bases. Strong acids. Amines and combustible materials.

SECTION 8 – EXPOSURE CONTROL/PPE

Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required. Use non-sparking tools.

Personal Protective Equipment:

Respiratory: Government approved respirator.

Eye: Chemical safety goggles.

Clothing: Wear anti-electrostatic clothing.

Hand: Compatible chemical-resistant gloves.

Other Protect:

No smoking, drinking, and eating at working site. Wash thoroughly after handling. Wash contaminated clothing before reuse. Discard contaminated shoes.

SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES

Appearance: Colorless transparent glass tube shell (containing liquid)

Odor: Weak odor

Internal material:

**Flash Point
(Closed Cup)/°C:** 55.0°C

pH Value: 10.0 (25°C, 50.0g/L)

Solubility: Slightly soluble in water

Density/Relative: 0.7965X10⁸ kg/m³ (20.0°C±0.1°C)

Density:

Viscosity: 1.948 mm²/s (20.00°C±0.02°C, Kinematic Viscosity)

SECTION 10 – STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Heat, flames and sparks.

Materials to Avoid:

Strong oxidizing agents, Strong bases, Strong acids, Amines and combustible materials

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity Data:

No data available.

Irritation Data:

Kerosene:

Skin – rabbit – 500 mg – Severe skin irritation.

SECTION 12 – ECOLOGICAL INFORMATION

No data available.

SECTION 13 – DISPOSAL CONSIDERATION

Appropriate Method of Disposal of Substance:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

RID/ADR: Proper Shipping Name: Dangerous goods in apparatus
Hazard Class: 9
UN Number: 3363
Packing Group: III

IATA: Proper Shipping Name: Dangerous goods in apparatus
Hazard Class: 9
UN Number: 3363
Packing Group: III

IMO: Proper Shipping Name: Dangerous goods in apparatus
Hazard Class: 9
UN Number: 3363
Packing Group: III
EMS No. : F-A, S-P
Marine Pollutant: No

SECTION 15 - REGULATORY INFORMATION

According to Regulation (EC) No 1272/2008 and amendments:

The liquid inside:
Flammable Liquids (Category 3)
Skin Corrosion/Irritation (Category 2)
Specific target organ toxicity – single exposure (Category 3) (Respiratory tract irritation)
Aspiration hazard (Category 1)
Other data for classification are unknown.

SECTION 16 – OTHER INFORMATION

Date: 2016-08-15

Department: Shanghai Research Institute of Chemical Industry Testing Centre
Shanghai Classification and Testing Centre of Dangerous Chemicals for State
Administration of Work Safety
Tel (Fax): 8621-52815377/52800971/52811034/52569800

Revision: 0

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