

Material Safety Data Sheet(MSDS)**1 Identification of the substance/preparation and of the company/undertaking****Product details****.Chemical Name:** *Thermometer***.Export to:** *America***.End Uses:** *Pool water temperature detect***.Applicant:** *Ningbo City Jiangbei Cicheng development of plastic hardware factory.***.Address:** *No.165,Minzhu Road,Cicheng Town,Jiangbei District, Ningbo City,Zhejiang Province.***.Further information obtainable from:** *Ningbo City Jiangbei Cicheng development of plastic hardware factory.***.Information in case of emergency:****.Contact Person:** *Kaizhang Mao**Tel: 86-574-87591872**Fax: 86-574-87572853**Email: syu_mao@163.com**Telephone Number:86-13805874667***2 Composition/information on ingredients****.Chemical characterization****.Description:** *Mixture of substances listed below with additions.*

<i>Components Number</i>	<i>CAS Number</i>	<i>Percent (%)</i>
<i>Kerosene</i>	<i>8008-20-6</i>	<i>3</i>
<i>Glass tube</i>	<i>65997-17-3</i>	<i>90</i>
<i>Su Dan IV</i>	<i>-- -- --</i>	<i>7</i>

3 Hazards identification**.NFPA ratings (scale 0 - 4)***Health = 0; Fire = 2; Reactivity = 0***.HMIS-ratings (scale 0 - 4)**

Health	2
Fire	2
Reactivity	0
Personal Protection	H

Health = 2; Fire = 2; Reactivity = 0; Personal protection= H

.For information on human and environmental hazards:

The product is not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and 1272/2008/EC.

.Classification system:

The classification is according to the latest edition of the EU Directives 67/548/EEC, 1999/45/EC and 1272/2008/EC, and extended by company and literature data.

.Information concerning particular hazards for human and environment:

Inhalation of high vapor concentrations of kerosene, regular first excitement, the latter into inhibition, manifested as fatigue, Headache, trance delirium, muscle tremors, ataxia Masonic; In severe cases, impaired orientation appears Obstruction, delirium, confusion, etc.; vapor can cause eye and respiratory irritation symptoms, re-emergence of chemical Pneumonia. Liquid kerosene inhalation can cause aspiration pneumonia, severe pulmonary edema can occur. Intake caused by the mouth Cavity, throat and gastrointestinal tract to stimulate the symptoms of poisoning can occur with inhalation of the same symptoms of central nervous system. Chronic effects: neurasthenia syndrome as the main performance, as well as to stimulate the eyes and respiratory tract symptoms, contact Dermatitis, dry skin and so on.

.Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator). Severe over-exposure can result in death.

.Potential Chronic Health Effects:

Slightly hazardous in case of skin contact (sensitizer).

.Carcinogenic Effects: Not available.

.Mutagenic Effects: Mutagenic for bacteria and/or yeast.

.Teratogenic Effects: Not available.

.Developmental Toxicity: Not available.

The substance is toxic to the nervous system.

The substance may be toxic to blood, kidneys, liver, central nervous system (CNS).

Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a ighly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

4 First aid measures

.Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

.Skin Contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient Removecontaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

.Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

.Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

.Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt orwaistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.

WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

.Ingestion:

If swallowed, do NOT induce vomiting. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

.Serious Ingestion: Not available.

5 Fire-fighting measures

.Flammability of the Product: Flammable.

.Auto-Ignition Temperature: 210°C (410°F)

.Flash Points: **CLOSED CUP:** 38°C (100.4°F). (Tagliabue.)

.Flammable Limits: **LOWER:** 07% **UPPER:** 5% - 7%

.Products of Combustion: Not available.

.Fire Hazards in Presence of Various Substances:

Flammable in presence of open flames and sparks, of heat.

.Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

.Fire Fighting Media and Instructions: Flammable liquid, insoluble in water.

SMALL FIRE: Use DRY chemical powder

LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

.Special Remarks on Fire Hazards: Not available.

.Special Remarks on Explosion Hazards: Not available

6 Accidental release measures

.Small Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

.Large Spill:

Toxic flammable liquid, insoluble or very slightly soluble in water. Poisonous liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

.Emergency Treatment:

Rapid leak contaminated areas evacuated personnel to a safe area, and isolation and strict restrictions on access. Cut off the fire source. Proposals to deal with emergency personnel wearing positive pressure self-contained breathing apparatus, wear anti-static overalls. China cut off as much as possible Drain-source. To prevent the inflow of sewage, such as restrictive 排洪沟 space. A small amount of leakage: do not use sand or other Adsorption or absorption of burning materials. Can also be the case that security is guaranteed, in situ burning. A large number of leak: to build Dike or trench to accept. Transferred to tanks with pumps or exclusive

collector, the recycling or waste disposal sites to the disposal.

7 Handling and storage

.Precautions:

Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

.Storage:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

.Pay attention to:

Stored in a cool, ventilated warehouse. Away from fire, heat source. Treasury season hot temperature should not exceed 25 °C. With oxidants, food and chemicals are kept separately and avoid mixing reservoir. The use of Explosion-proof lighting, ventilation facilities. Prohibit the use of easy to produce sparks of machinery and equipment and tools. Storage area should be equipped to deal with spill response equipment and Suitable host material.

8 Exposure controls/personal protection

.Additional information about design of technical facilities: No further date; see item 7.

.Engineering Controls:

Confined production process, comprehensive ventilation. To provide a safe shower and eyewash equipment.

.Additional information: Excessive concentration of the air, it is recommended to wear gas masks self-suction filter (half mask). Get emergency When rescue or evacuation, air-breathing apparatus should be worn.

.Personal protective equipment:

.Protective Gloves:



Wearing rubber gloves oil

.Eye Protection:



Wearing protective chemical safety glasses

.Other protection: no-smoking scene work. Avoid long-term repeated exposure.

9 Physical and chemical properties

- .Physical state and appearance:** Liquid. (Oily liquid.)
- .Odor:** Not available.
- .Taste:** Not available.
- .Molecular Weight:** Not available.
- .pH (1% soln/water):** Not applicable.
- .Boiling Point:** 149°C (300.2°F) - 325 C
- .Melting Point:** Not available.
- .Critical Temperature:** Not available.
- .Specific Gravity:** 0.775 - .840(Water = 1)
- .Vapor Pressure:** 0.1 kPa (@ 20°C)
- .Vapor Density:** 4.5 (Air = 1)
- .Volatility:** Not available.
- .Odor Threshold:** Not available.
- .Water/Oil Dist. Coeff:** Not available
- .Ionicity (in Water):** Not available
- .Dispersion Properties:** Not available
- .Solubility:** Insoluble in cold water, hot water, Miscible with other petroleum solvents

10 Stability and reactivity

- .Stability:** The product is stable.
- .Instability Temperature:** Not available.
- .Conditions of Instability:** Heat, ignition sources (sparks, flames), incompatible materials
- .Incompatibility with various substances:** Reactive with oxidizing agents.
- .Corrosivity:** Not considered to be corrosive for metals and glass.
- .Special Remarks on Reactivity:** Not available.
- .Special Remarks on Corrosivity:** Not available.
- .Polymerization:** Will not occur.

11 Toxicological information

.Routes of Entry: Absorbed through skin. Eye contact.

.Toxicity to Animals: Acute oral toxicity (LD50): 2835 mg/kg [Rabbit].

.Chronic Effects on Humans:

MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. Causes damage to the following organs: the nervous system.

May cause damage to the following organs: blood, kidneys, liver, central nervous system (CNS)

.Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant). Slightly hazardous in case of skin contact (permeator).

.Special Remarks on Toxicity to Animals: Not available.

.Special Remarks on Chronic Effects on Humans: May affect genetic material (mutagenic)

.Special Remarks on other Toxic Effects on Humans:

.Acute Potential Health Effects:

Skin effects : Causes moderate to severe skin irritation. It can cause defatting dermatitis.

Eyes effects : May cause eye irritation.

Inhalation: May cause respiratory tract and mucous membrane irritation and a burning sensation in the chest.

Because of its relatively low volatility, overexposure by inhalation is uncommon, but it can occur in poorly ventilated areas or by inhalation of mists or aerosols. Symptoms of inhalation overexposure include central nervous system (CNS) depression (transient euphoria, headache, irritability, excitement, ringing in the ears, weakness, incoordination, confusion, disorientation, drowsiness, tremor, somnolence, hallucinations, seizures, coma, death). May affect the heart (cardiac arrhythmias), liver, kidneys, and respiration (asphyxia, apnea, acute pulmonary edema, dyspnea, fibrosis, or cyanosis). Ingestion: Causes gastrointestinal tract irritation with burning sensation in mouth, esophagus, and stomach, respiration/trachea/bronchi through accidental pulmonary aspiration which can cause hypoxia, chemical pneumonitis, and noncardiogenic pulmonary edema, pulmonary hemorrhage, coughing, breathing difficulty, acute or chronic pulmonary edema, emphysema, respiratory stimulation. It may also affect the heart (dysrhythmias, myocardial depression, tachycardia), liver, endocrine system (pancreas - hypoglycemia), behavior/central nervous system (symptoms similar to that of inhalation).

. Chronic Potential Health Effects:

.Inhalation: Repeated or prolonged inhalation may cause respiratory tract irritation and affect behavior/central nervous system with symptoms similar to that of acute inhalation. It may also affect the blood (changes in white blood cell count, changes in serum composition, pigmented or nucleated red blood cells, leukopenia, normocytinemia), cardiovascular system, respiratory system (trachea, bronchi), and may cause kidney damage.

.Ingestion: Repeated or prolonged ingestion may affect the liver, endocrine system (adrenal gland, pancreas, spleen), and metabolism (weight loss), and blood.

.Skin: Repeated or prolonged skin contact may cause defatting dermatitis, erythema, and eczema-like skin lesions, drying and cracking of the skin, and possible burns.

12 Ecological information

.Ecotoxicity: Not available.

.BOD5 and COD: Not available.

.Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

.Toxicity of the Products of Biodegradation: Not available.

.Special Remarks on the Products of Biodegradation: Not available.

13 Disposal considerations

.Dispose of in accordance with all applicable regulation.

.Recommendation: 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. Must not be disposed together with household garbage. DO NOT dump into any sewers, on the ground, or into any body of water. Disposal of wastes and used containers must be in accordance with applicable federal, state and local regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

.EPA waste number: Not applicable.

14 Transport information

.DOT Classification: CLASS 3: Flammable liquid.

.Identification: Kerosene UNNA: 1223 PG: III

.Special Provisions for Transport: Small openings drums; thin steel or tinplate barrels barrels per day (can) spend outside the grid box; thread mouth bottle, iron Cover the mouth pressure bottles, plastic bottles or metal (cans) outside the ordinary wooden box; thread mouth bottle, plastic bottle Barrels or tinplate (tin) plate full grille outside the boxes, fibreboard box or plywood boxes.

.Marine Pollutant: Not applicable

15 Regulatory information

.Sara

.Section 355 (extremely hazardous substances):

None of the ingredient is listed.

.Section 313 (specific toxic chemical listing):

None of the ingredient is listed.

.TSCA (toxic substance control act)

None of the ingredient is listed.

.Proposition 65

.Chemical known to cause cancer:

None of the ingredient is listed.

.Chemical known to cause reproductive toxicity for females:

None of the ingredient is listed.

.Chemical known to cause reproductive toxicity for males:

None of the ingredient is listed.

.Chemical known to cause developmental toxicity:

None of the ingredient is listed.

.Carcinogenicity categories:

.EPA (Environmental Protection Agency)

None of the ingredient is listed.

.IARC (International Agency for Research on Cancer)

None of the ingredient is listed.

.NTP (National Toxicology Program):

None of the ingredient is listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredient is listed.

.NIOSH-Ca(National Institute for Occupational Safety and Health):

None of the ingredient is listed.

.OSHA-Ca(Occupational Safety & Health Administration):

None of the ingredient is listed.

16 Other information

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any express or implied regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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