

JIANGSU JIATONG ENERGY CO., LTD

MATERIAL SAFETY DATA SHEET

Catalog of instruction

- Part I : Chemical name
- Part II : Composition / Composition information
- Part III : An overview of the hazards
- Part IV : First aid measures
- Part V : Fire protection measures
- Part VI : Emergency treatment emergency
- Part VII : Operation, disposal and storage
- Part VIII: Contact Control / Personal protection
- Part IX : Physicochemical properties
- Part X : Stability and reactivity
- Part XI : Toxicology data
- Part XII : Ecological data
- Part XIII: Waste disposal
- Part XIV : Transportation information
- Part XV : Regulatory information
- Part XVI : Other information

Part I : Chemical name
Chinese name: terephthalic acid
The English name of the chemical is: p-phthalic acid
Chinese name 2: pine oil phthalic acid
English name: 2: terephthalic acid
Technical specification code: 2042
CAS No .: 100-21-0
Molecular formula:C₈H₆O₄
Molecular weight: 166.13

Part II : Composition / Composition information
Hazardous ingredients: terephthalic acid
content:
CAS No .: 100-21-0

Part III : An overview of the hazards
Risk category:
route of entry:
Health hazards: stimulating the eyes, skin, mucous membrane and upper respiratory tract, no occupational poisoning was reported.

Environmental hazards: it is harmful to the environment, and it can cause pollution to the water bodies and the atmosphere.

Part IV : First aid measures

Skin contact: Remove the contaminated clothing and rinse with a lot of flowing water.

Eye contact: Lift the eyelids and rinse with running water or normal saline. seek medical advice.

Inhalation: off from the site to fresh air. If breathing is difficult, supply it with oxygen. seek medical advice.

Eat: drink enough warm water, vomiting. seek medical advice

Part V : Fire protection measures

Hazardous characteristics: in open fire, high heat.

Hazardous combustion products: carbon monoxide, carbon dioxide.

Fire extinguishing method: fire personnel must wear gas masks and full-body fire suits to put out the fire in the upwind. Fire extinguishing

agent: fog water, foam, dry powder, carbon dioxide, sand.

Part VI : Emergency treatment emergency

Emergency treatment: isolate the leakage pollution area and restrict access. Cut off the fire source. It is recommended that emergency handling personnel wear dust masks (full cover) and wear gas suits.

Avoid dust, carefully sweep it up, put it in a bag and transfer it to a safe place. If a lot of leakage, cover with plastic cloth, canvas.

Collect and recycle it or transport it to the waste disposal site for disposal.

Part VII : Operation, disposal and storage

Operation precautions: closed operation, local air exhaust. Operators must be specially trained and strictly follow the operating procedures.

It is recommended that operators wear self-priming filter dust masks, chemical safety protection glasses, poison-proof penetration work clothes, and rubber gloves. Stay away from fire and heat sources, and smoking is strictly prohibited in the workplace. Use an explosion-proof ventilation system and equipment. Avoid dust production. Avoid contact with oxidants and alkali. When handling, light loading and unloading, to prevent damage to packaging and containers. Equipped with the corresponding variety and quantity of fire-fighting equipment and leakage emergency treatment equipment. The empty container may remain harmful substances.

Storage precautions: store in a cool, ventilated warehouse. Stay away from the fire and heat sources. Should be stored separately with oxidant, alkali, avoid mixed storage. Equipped with the corresponding

variety and quantity of fire-fighting equipment. The storage area shall be equipped with suitable material for the leakage.

Part VIII: Contact Control / Personal protection

Occupational contact limits

China MAC (mg / m³): not made, set the standard

Former Soviet Union MAC (mg / m³): 0. 1

TLVTN : ACGIH 10mg /m³

TLVWN: No standards were formulated

Monitoring method:

Engineering control: closed operation, local air exhaust.

Respiratory system protection: when the dust concentration in the air exceeds the standard, a self-suction filter dust mask must be worn.

Emergency robbery

Air breathing apparatus should be worn when rescuing or evacuating.

Eye protection: Wear chemical safety protection glasses.

Body protection: wear antivirus penetration work clothes.

Hand protection: wear rubber gloves.

Other protection: After work, shower and change clothes. Pay attention to personal hygiene.

Part IX : Physicochemical properties

Main ingredients: pure product

Appearance and properties: white crystal or powder.

pH :

Melting point (°C):> 300

Boiling point (°C): no data

Relative density (water =1): 1.51

Relative vapor density (air =1): no data

Sated vapor pressure (kPa): no data

Burning heat (kJ / mol): no data

Critical temperature (°C): no data is available

Critical pressure (MPa): no data is available

Log value of octanol / water partition coefficient: no data

Flash point (°C):> 110

Ignition temperature (°C): no data is available

Bblast% (V / V): no data

Lower limit% (V / V): no data

Solubility: insoluble in water, insoluble in carbon tetrachloride, ether, acetic acid, slightly soluble in ethanol, soluble in lye.

Main use: for manufacturing synthetic resin, synthetic fiber and plasticizer, etc.

Other physical and chemical properties:

Part X : Stability and reactivity

Procompound: strong oxidant, alkali.

Conditions to avoid contact:

Polymerization hazard:

Cleavage product:

Part XI : Toxicology data

Acute toxicity: LD 50:1670 mg / kg (rat cavity); 3200 mg / kg (rat mouth); 3550 mg / kg (mouse oral)

LC 50: No data are available

Subacute and chronic toxicity:

Thrill:

Sensitization:

Mutagenicity:

Teratogenicity:

Carcinogenicity:

Part XII : Ecological data

Eco-toxicological toxicity:

Biodegradability:

Non-biological degradability:

Biological enrichment or bioaccumulability:

Other harmful effects: the substance is harmful to the environment, can cause pollution to water and atmosphere, organic acids are easy to form acid rain in the changes of atmospheric chemistry and atmospheric physics. Therefore, when the PH value drops below 5, it will cause serious harm to animals and plants, and the reproduction and development of fish will be seriously affected. The metals in the soil and water sediment of the basin can be dissolved into the water to poison fish. Acidification of water will also lead to changes in the composition and structure of aquatic organisms, the increase of acid-resistant algae and fungi, the decrease of root plants, bacteria and vertebrates, and the decomposition rate of organic matter.

Acidification can seriously lead to fish loss or death in lakes or rivers.

Part XIII: Waste disposal

Waste properties:

Disposal method: refer to relevant national and local regulations before disposal. It is recommended to dispose of it by incineration method.

Waste considerations:

Part XIV : Transportation information

Dangerous goods number: no information

UN number: No data

packing mark:

Packaging category: Z01

Packaging method: no data.

Transportation precautions: the packaging should be complete and the loading should be safe. During the transportation process, make sure that the container does not leak, collapse, fall or damage. It is strictly prohibited to mix and transport with oxidants, alkali and edible chemicals. Transportation should be exposed, rain, high temperature. The vehicle shall be thoroughly cleaned after transportation.

Part XV : Regulatory information

Regulation information: chemical hazardous substances safety management regulations (February 17,1987, the State Council), chemical hazardous substances safety management regulations implementing rules (change [1992]NO. 677), workplace safety use of chemicals ([1996] NO.423) and other regulations, for the safety of chemical use, production, storage, transportation, loading and unloading have made the corresponding provisions.

Part XVI : Other information

Reference documentation:

Form filling department:

Data review unit:

Modified instructions:

Other information:

江苏嘉通能源有限公司
JIANGSU JIATONG ENERGY CO., LTD.

