

MATERIAL SAFETY DATA SHEET

PARA-TERTIARY-OCTYLPHENOL

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

- CHEMICAL PRODUCT NAME: 4-TERT OCTYL PHENOL
- COMPANY NAME: ZIBO XUJIA CHEMICAL INDUSTRY CO.,LTD
- COMPANY ADDRESS: QILU CHEMICAL INDUSTRIAL PARK REFINED CHEMICAL LINZI, ZIBO DEVELOPMENT ZONE,ZIBO CITY SHANDONG CHINA
- E-MAIL:ZBXUJIA@163.COM
- TEL/FAX:0533-7962217
- MATERIAL SAFETY DATA SHEET NO.: JX02—02
- START DATE:2011/3/1

SECTION 2 COMPOSITION INFORMATION

- COMPOSITION INFORMATION AS FOLLOWS:

ITEM	SPECIFICATION	
	EXCELLENCE	QUALIFIED
APPERENCE	WHITE SLICE SOLID	
PARA-TERTIARY-OCTYLPHENOL PURITY, %	98	
MOISTURE, %	2	

SECTION 3 RISK OVERVIEW

- RISK RANK: VIII
- ATTACK WAYS: SKIN CONTACT;EYE CONTACT;INHALATION;INGESTION
- HEALTH HAZARDS: 4-TERT OCTYL PHENOL BATTERIES ON THE SKIN,MUCOUS MEMBRANES AND OTHER ORGANIZATIONS HAVE STRONG INCENTIVES AND CORROSION,CAUSE RESPIRATORY IRRITATION,CONJUNCTIVAL EDEMA,CORNEAL OPACITY.LIGHT SKIN BURNS WERE ERYTHEMA,SEVERE CASES,ULCERS FORM.SPLASHING INTO EYES CAN CAUSE BURNS WITHIN,OR EVEN CORNEAL PERFORATION.
- ENVIRONMENTAL HAZARDS:A HAZARD TO THE ENVIRONMENT,WATER AND SOIL CAN CAUSE POLLUTION.
- EXPLOSION RISK:THIS PRODUCT IS ENCOUNTERED THE RISK OF FIRE EXPLOSION EXISTS.

SECTION 4 FIRST AID MEASURES

- SKIN CONTACT:IF SPLASHED ON SKIN,TAKE OFF THE POLLUTED CLOTHES,WIPING WITH 50% ETHANOL OR GLYCEROL,THEN RINSE WITH PLENTY OF WATER,SERIOUSLY SHOULD BE

IMMEDIATELY TAKEN TO THE HOSPITAL.

- EYE CONTACT:IMMEDIATELY FLUSH EYELID,WITH A LARGE NUMBER OF MOBILE WATER OR SALINE THOROUGHLY WASHED AT LEAST 30 MINUTES.MEDICAL TREATMENT.
- INHALATION:RAPIDLY FROM THE SCENE TO FRESH AIR.KEEP THE AIRWAY CLEAR.IF BREATHING IS DIFFICULT,GIVE OXYGEN.IF BREATHING STOP IMMEDIATELY MOUTH.MEDICAL TREATMENT.
- INGESTION:MEDICAL TREATMENT.

SECTION 5 FIRE-FIGHTING MEASURES

- RISK FEATURES:SET OFF A CHEMICAL REACTION WITH STRONG OXIDANT.DEVELOPMENT OF FLUE POISONOUS GAS AFTER HEATING,IT CAN EXPERIENCE AN EXPLOSION OR COMBUSTION WITH FIRE OR HYPERTHERMIA.
- HAZARDOUS COMBUSTION PRODUCTS:FLUE POISONOUS GAS
- FIRE FIGHTING METHODS:FIREMEN MUST WEAR A FIRE SUIT BODY ACID.
- EXTINGUISHING AGENT:DRY POWDER,CARBON DIOXIDE,SAND,WATER,FOAM FIRE-EXTINGUISHER.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- ACCIDENTAL RELEASE MEASURES:CUT OFF THE POWER,WEAR APPROPRIATE PROTECTIVE GLOVES AND CLOTHING TO CUT DOWN THE LEAKAGE.
- ELIMINATION METHOD:IF LITTLE LEAKAGED,COLLECT AFTER THE TEMPERATURE LOWING DOWN.IF A LOT LEAKAGED,COLLECT AFTER THE FLUE POISONOUS GAS WERE DISSIPATION.

SECTION 7 OPERATING DISPOSAL

- OPERATING NOTE:OPERATORS MUST RECEIVE SPECIAL TRAINING,STRICT COMPLIANCE WITH OPERATING RULES.PROPOSED OPERATORS WEAR SAFETY GLASSES,WEAR APPROPRIATE PROTECTIVE GLOVES AND CLOTHING.KEEP AWAY FROM FIRE,HEAT,WORKPLACE SMOKING.AWAY FROM FLAMMABLE,COMBUSTIBLE.MOVING LIGHTLY WHEN UNLOADING.WITH THE APPROPRIATE TYPES AND QUANTITIES OF THE EQUIPMENT AND EMERGENCY EQUIPMENT LEAKAGE.
- STORAGE NOTE:STORED IN A COOL,VENTILATED WAREHOUSE.LIBRARY TEMPERATURE DOES NOT EXCEED 40°C. KEEP AWAY FROM FIRE,HEAT,WORKPLACE SMOKING. KEEP AWAY FROM FLAMMABLE,COMBUSTIBLE.

SECTION 8 EXPOSURE CONTROLS,PERSONAL PROTECTION

- ENGINEERING CONTROLS:FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH FACILITY AND A SAFETY SHOWER.USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS LOW.
- RESPIRATORS:WEAR RESPIRATOR.
- CLOTHING:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

- SKIN:WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN EXPOSURE.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- PHUSICAL STATE:SOLID.
- COLOR:WHITE.
- ODOR:LITTLE PHENOL ODOR.
- RELATIVE DENSITY(water=1):0.941.
- BOILING POINT:280~283℃.
- FLASH POINT:138℃.
- EXPLOSION LIMITS,LOWER:NOT AVAILABLE.
- EXPLOSION LIMITS,UPPER: NOT AVAILABLE.
- AUTOIGNITION TEMPERATURE: NOT AVAILABLE.

SECTION 10 STABILITY AND REACTIVITY

- CHEMICAL STABILITY:STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.
- AVOID:STRONG OXIDANT,ALKALI.
- CONDITIONS TO AVOID: DUST GENERATION,EXCESS HEAT,EXPOSURE TO MOIST AIR OR WATER.
- HAZARDOUS DECOMPOSITION PRODUCTS: FLUE POISONOUS GAS.

SECTION 11 TOXICOLOGICAL INFORMATION

- CARCINOGENICITY:—
- OTHER: —

SECTION 12 ECOLOGICAL INFORMATION

- ECOTOXICITY: —

SECTION 13 DISPOSAL CONSIDERATIONS

- DISPOSAL CONSIDERATIONS METHODS:SHOULD BE RELEVANT TO THE DISPOSITION OF QUALIFIED UNITS.

SECTION 14 TRANSPORT INFORMATION

- SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S
- HAZARD CLASS:9.
- UN NUMBER:3077.
- PACKING GROUP: III

- CAS NO.:140-66-9
- HS:2907139000

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations on the Safety Management of Hazardous Chemicals
China Catalog of Hazardous chemicals 2015: Listed. website: <https://www.mem.gov.cn/>
Measures for Environmental Management of New Chemical Substances

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC): Listed. website: <https://www.mee.gov.cn/> EC Inventory: Listed.

European Inventory of Existing Commercial Chemical Substances (EINECS): Listed. website: <https://echa.europa.eu/>

Korea Existing Chemicals List (KECL): Listed. website: <http://ncis.nier.go.kr>

New Zealand Inventory of Chemicals (NZIoC): Listed. website: <https://www.epa.govt.nz/>

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed. website: <https://emb.gov.ph/>

United States Toxic Substances Control Act (TSCA) Inventory: Listed. website: <https://www.epa.gov/>

Vietnam National Chemical Inventory: Listed. website: <https://chemicaldata.gov.vn/>

SECTION 16 OTHER INFORMATION

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstracts Service

EC50: Effective Concentration 50%

IATA: International Air Transportation Association

IMDG: International Maritime Dangerous Goods

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

STEL: Short term exposure limit

TWA: Time Weighted Average

References

【1】 CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>

【2】 ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>

【3】 ECHA - European Chemicals Agency, website: <https://echa.europa.eu/>

【4】 eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

【5】 ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: <http://www.phmsa.dot.gov/hazmat/library/erg> 【6】 Germany GESTIS-database on hazard substance, website: <http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp>

【7】 HSDB - Hazardous Substances Data Bank, website: <https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

【8】 IARC - International Agency for Research on Cancer, website: <http://www.iarc.fr/>

【9】 IPCS - The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>

home

【10】 Sigma-Aldrich, website: <https://www.sigmaaldrich.com/>

Other Information

Depending on the degree of exposure, periodic medical examination is suggested.