

# **QINGDAO EASTCHEM INC**

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# MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

PRODUCT NAME: SUPPLIER: ADDRESS: TEL : FAX: CITRIC ACID MONOHYDRATE QINGDAO EASTCHEM INC. NO.61, HAIER ROAD, QINGDAO,266061,CHINA +86-532-80927566 +86-532-80996816

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME OF THE SUBSTANCE: CHEMICAL NAME:

SYNONYMS: CAS NO: C<sub>6</sub>H<sub>8</sub>O<sub>7</sub> H<sub>2</sub>O 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID MONOHYDRATE CITRIC ACID 5949-29-1

### 3. HAZARDS IDENTIFICATION

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INHALATION: INHALATION OF LARGE AMOUNTS OF DUST MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT.

INGESTION: EXTREMELY LARGE ORAL DOSAGES MAY PRODUCE GASTROINTESTINAL DISTURBANCES.

MOST IMPORTANT HAZARDS

SKIN CONTACT: POSSIBLE IRRITATION ON PROLONGED CONTACT WITH MOIST OR SENSITIVE AREAS OF THE SKIN.

EYE CONTACT: NO ADVERSE EFFECTS EXPECTED BUT DUST MAY CAUSE MECHANICAL IRRITATION. CHRONIC

EXPOSURE: NO INFORMATION FOUND. AGGRAVATION OF PRE-EXISTING CONDITIONS: NO INFORMATION FOUND.

4. FIRST AID MEASURES
GENERAL ADVICE MAJOR EFFECTS OF CONSULT A PHYSICIAN, IRRITATING TO EYES AND SKIN EXPOSURE
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.
SKIN CONTACT WASH OFF IMMEDIATELY WITH SOAP AND PLENTY OF WATER, IF SKIN IRRITATION PERSISTS, CALL APHYSICIAN.

EYE CONTACT

RINSE IMMEDIATELY WITH PLENTY OF WATER, ALSO

	UNDER THE EYELIDS, FOR AT LEAST 10 MINUTES. IFEYE IRRITATION PERSISTS, CALL A SPECIALIST.
INGESTION	DRINK PLENTY OF WATER OR MILK WHEN CLEAR-HEADED,DO NOT INGEST ANYTING WHEN NOT CLEAR-HEADED, CALL A PHYSICIAN IF NECESSARY.
MOST IMPORTANT SYMPTOM	
PROTECTION OF FIRST-AIDERS	NO SPECIALINFORMATION FOUND.
CLUE TO PHYSICIAN	
5. FIRE FIGHTING MEASURES SUITABLE EXTINGUISHING MEDIA SPECIAL HAZARD	WATER , DRY POWDER,CHEMICAL FOAM,CARBON DIOXIDE FINE DUST DISPERSED IN AIR IN SUFFICIENT CONCENTRATIONS, AND IN THE PRESENCE OF AN IGNITION SOURCE IS A POTENTIAL DUST EXPLOSION HAZARD.
SPECIAL EXTINGUISHINGN PROCEDURE	NONE
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.
6.ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTIONS	USE PERSONAL PROTECTIVE EQUIPMENT.
ENVIRONMENTAL PRECAUTIONS REQUIRED	AVOID GENERATION OF DUST AND KEEP BREEZY
METHODS FOR CLEANING UP	FLUSH AWAY TRACES WITH WATER, SWEEP UP AND SHOVEL AFTER CLEANING,OR NEUTRALIZE WITH CALCAREOUSNESS.
7. HANDLING AND STORAGE	
HANDLING: TECHNICAL MEASURES /PRECAUTIONS SAFE HANDLING ADVICE	KEEP VENTILATED TO AVOID DUST, AVOID TO CONTACT WITH EYES AND SKIN,AVOID INHALATION AND INGESTION
STORAGE: TECHNICAL MEASURES / STORAGE CONDITIONS	KEEP TIGHTLY CLOSED IN A DRY, COOL AND VENTILATED PLACE
CONDITIONS	STORE PROTECTED FROM INCOMPATIBLE SUBSTANCES
8. EXPOSURE CONTROLS/PERSONAL PROT	ECTION
ENGINEERING MEASURES	SET EYEWASHER OR SHOWER,ENSURE ADEQUATE VENTILATION TO KEEP LOW CONSISTENCY IN AIR.
EXPOSURE LIMIT	NO SPECIAL PRECAUTIONS REQUIRED
PERSONAL PROTECTION EQUIPMENT:	
<b>RESPIRATORY PROTECTION</b>	EFFECTIVE DUST MASK

GLOVES SAFETY GLASSES LIGHTWEIGHT PROTECTIVE CLOTHING HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE

9. PHYSICAL AND CHEMICAL PROPERTIES

STATE FORM COLOUR ODOUR PH SOLUTION(5%, 25°C) MELTING POINT / RANGE DECOMPOSITION TEMPERATURE BOILING POINT RELATIVE DENSITY AUTOIGNITION TEMPERATURE SOLUBILITY (25°C)	SOLID CRYSTAL WHITE / COLOURLESS ODOURLESS 2.2 (0.1N WATER SOLUTION) 153 $\mathbb{C}$ >170 $\mathbb{C}$ 	
10. STABILITY AND REACTIVITY STABILITY HARZARD IN SPECIAL CONDITION CONDITIONS TO AVOID SUBSTANCES TO AVOID HAZARDOUS DECOMPOSITION PRODUCTS	STABLE AT NORMAL CONDITIONS NONE HEAT, FLAME, IGNITION SOURCES, DUST AND INCOMPATIBLES. METAL NITROUS COMPOUNDS,COMPOSE WITH COPPER,ZINC,ALUMINIUM. CARBON DIOXIDE AND CARBON MONOXIDE MAY FORM WHEN HEATED TO DECOMPOSITION.	
11. TOXICOLOGICAL INFORMATION ACUTE TOXICITY SUBACUTE TOXICITY OR EXTENDED TOXICITY PARTIAL EFFECT CAUSE OF ALLERGY SPECIAL EFFECT		
12. ECOLOGICAL INFORMATION POTENTIAL ENVIRONMENT EFFECT 13. DISPOSAL CONSIDERATIONS		
WASTE FROM RESIDUES / UNUSED PRODUCTS	RECYCLING IS PREFERRED TO DISPOSAL OR INCINERATION CAN BE LANDFILLED OR INCINERATED ACCORDING TO LOCAL RECYCLE OR WASTE DISPOSAL.	
<ul> <li>14. TRANSPORT INFORMATION NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.</li> <li>15. REGULATORY INFORMATION THE PRODUCT IS CLASSIFIED AND LABELLED IN ACCORDANCE WITH EU DIRECTIVES (88/379/EC) OR</li> </ul>		
RESPECTIVE LAWS:		

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SYMBOL(S):



Xi:-IRRITANT R-36 IRRITATING TO EYES S-26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIALTELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE

R-PHRASES: S-PHRASES:

WATER HAZARD CLASS :

16. OTHER INFORMATION

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