MATERIAL SAFETY DATA SHEET

Product name: CITRIC ACID MONOHYDRATE

DATE: 2016/01/08

Page 1 of 3

1.	. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING				
	PRODUCT NAME: SUPPLIER: ADDRESS: TEL : FAX:	CITRIC ACID MONOHYDRATE BP98 TTCA CO.,LTD. NO.27, XIN'AN NAN ROAD, ANQIU,SHANDONG,CHINA +86-536-2262229 +86-536-4221500			
2.					
	CHEMICAL NAME OF THE SUBSTANCE: CHEMICAL NAME: SYNONYMS: CAS NO:	C ₆ H ₈ O ₇ H ₂ O 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID CITRIC ACID 5949-29-1			
3.	HAZARDS IDENTIFICATION				
		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 EXPOSURE	CONSULT A PHYSICIAN, IRRITATING TO EYES AND SKIN			
	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 A PHYSICIAN.			
	EYE CONTACT	RINSE IMMEDIATELY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS, FOR AT LEAST 10 MINUTES. IF EYE IRRITATION PERSISTS, CALL A SPECIALIST.			
	INGESTION	DRINK PLENTY OF WATER OR MILK WHEN CLEAR-HEADED,DO NOT INGEST ANYTING WHEN NOT			
	MOST IMPORTANT SYMPTOM	CLEAR-HEADED, CALL A PHYSICIAN IF NECESSARY.			
	PROTECTION OF FIRST-AIDERS	NO SPECIAL INFORMATION FOUND.			
	CLUE TO PHYSICIAN				
5.	FIRE FIGHTING MEASURES				
	SUITABLE EXTINGUISHING MEDIA	WATER , DRY POWDER,CHEMICAL FOAM,CARBON DIOXIDE.			

	MATERIAL SAFETY DATA SHEET			
	Product name: CITRIC ACID MONOHY	DATE: 2016/01/08 DRATE Page 2 of 3		
	SPECIAL HAZARD	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 STORE PROTECTED FROM INCOMPATIBLE SUBSTANCES		
8.	EXPOSURE CONTROLS/PERSONAL PROTECT	ΓΙΟΝ		
	ENGINEERING MEASURES	SET EYEWASHER OR SHOWER,ENSURE ADEQUATE VENTILATION TO KEEP LOW CONSISTENCY IN AIR.		
	EXPOSURE LIMIT	NO SPECIAL PRECAUTIONS REQUIRED		
	PERSONAL PROTECTION EQUIPMENT:			
	RESPIRATORY PROTECTION HAND PROTECTION EYE PROTECTION SKIN AND BODY PROTECTION PROTECTION HYGIENE MEASURES	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) 135-152 °C (TOTALLY MELT) 70-75 °C (BEGIN TO MELT) >170 °C I.542 EASILY SOLUBLE IN WATER.		
10.	STABILITY AND REACTIVITY			
	STABILITY HARZARD IN SPECIAL CONDITION CONDITIONS TO AVOID	STABLE AT NORMAL CONDITIONS NONE HEAT, FLAME, IGNITION SOURCES, DUST AND INCOMPATIBLES.		
	SUBSTANCES TO AVOID	METAL NITROUS COMPOUNDS, COMPOSE WITH		

	MATERIAL	SAFETY DATA SHEET	
	Product name: CITRIC ACID MONOHY	DATE: 2016/01/08 DRATE Page 3 of 3	
	ZARDOUS DECOMPOSITION DUCTS	COPPER,ZINC,ALUMINIUM. CARBON DIOXIDE AND CARBON MONOXIDE MAY FORM WHEN HEATED TO DECOMPOSITION.	
11. TOX	XICOLOGICAL INFORMATION		
SUE TOX PAR CAU	JTE TOXICITY BACUTE TOXICITY OR EXTENDED KICITY TIAL EFFECT JSE OF ALLERGY CIAL EFFECT		
12. EC	COLOGICAL INFORMATION		
B. BODS C. PROI LIKELY D. TOXI ARE NO	5 AND COD: THE BOD5 IS 0.528 MG/KG [5 DAY DUCTS OF BIODEGRADATION: POSSIBLY HAZ HOWEVER, LONG TERM DEGRADATION H ICITY OF THE PRODUCTS OF BIODEGRADATION TOXIC.	40 TO 706 MG/L 96 HOURS [FISH. (GOLDFISH)]. 7(S)] BOD5. THE COD IS 0.728 MG/KG[DAY(S)]. 2ARDOUS SHORT TERM DEGRADATION PRODUCTS ARE NOT PRODUCTS MAY ARISE. ON: THE PRODUCT ITSELF AND ITS PRODUCTS OF DEGRADATION 2GRADATION: BIODEGRADATION: 98% AFTER 2 DAYS	٧
13. DI	SPOSAL CONSIDERATIONS		
	ASTE FROM RESIDUES / UNUSED RODUCTS	RECYCLING IS PREFERRED TO DISPOSAL OR INCINERATION CAN BE LANDFILLED OR INCINERATED ACCORDING TO LOCAL RECYCLE OR WASTE DISPOSAL.	
14. TRA	ANSPORT INFORMATION		
		IMO REGULATIONS, ACCORING TO IATA DGR, IT CAN BE	
	ASSIFIED AS NOT RESTRICTED, AS PER S	SPECIAL PROVISION A3	
TH	GULATORY INFORMATION E PRODUCT IS CLASSIFIED AND LABELL SPECTIVE LAWS:	LED IN ACCORDANCE WITH EU DIRECTIVES (88/379/EC) OR	
R-P	MBOL(S): PHRASES: HRASES:	Xi:-IRRITANT R-36 IRRITATING TO EYES S-26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIALTELY WITH PLENTY OF WATER AND SEEK	
~ 1		MEDICAL ADVICE	
	TER HAZARD CLASS :	0	
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