

16-MAR-2005 17:23

JIAODARISINGWEINAN

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P.003

**MATERIAL SAFETY DATA SHEET**

BATCH NUMBER:

DATE:

PRODUCT: FUMARIC ACID

MANUFACTURER: JIAODA RISING WEINAN CHEMICAL INDUSTRIAL CO., LTD.

**SECTION I - IDENTIFICATION OF PRODUCT:**

SUPPLIER: JIAODA RISING WEINAN CHEMICAL INDUSTRIAL CO., LTD.

ADDRESS: LIANGSHUIQIAO DONGGUAN WEINAN CHINA

EMERGENCY PHONE: 0086-913-2195485

TRADE NAME: FUMARIC ACID

CHEMICAL FAMILY: ORGANIC CHEMICALS

CHEMICAL NAME: TRANS-BUTENE DIOIC ACID

IATA SHIPPING NAME:

ARTICLE NO.:

**SECTION II - HAZARDOUS INGREDIENTS(INC.% & TLV):**

HEAVY METALS AS Pb: &lt;10ppm

As: &lt;2ppm

**SECTION III - PHYSICAL DATA:**

APPEARANCE: A WHITE CRYSTALLINES POWDER

ODOUR: WITH FRUIT SOUR

MELTING POINT(°C): 294-300

BOILING POINT(°C):

SOLUBILITY: IN WATER AT 25°C 0.7%

IN WATER AT 100°C 9.8%

IN ALCOHOL AT 30°C 5.76%

IN DIMETHYLBENZENE AT 20°C 0.03%

**SECTION IV - FIRE & EXPLOSION HAZARD DATA:**

FLASH POINT(°C):

HAZARD CLASS:

EXTINGUISHING MEDIA: FOGGING WATER, FOAM, CARBON,  
SANDY AND SOIL, POWDER

SPECIAL FIRE FIGHTING PROCEDURE:

FLAMMABLE FIRE &amp; EXPLOSION HAZARD:



**SECTION V-**

**OCCUPATIONAL EXPOSURE LIMIT**

(DEL)FOR:

EFFECT OF OVEREXPOSURE:

EMERGENCY & FIRST AID PROCEDURE:

**SECTION VI-REACTIVITY DATA:**

STABILITY: STEADY

INCOMPATIBILITY: ALKALI, STRONG OXIDIZER, STRONG REDUCER  
(MATERIALS TO AVOID); AND AMINE

**SECTION VII SPILL OR LEAK PROCEDURES:**

STEP TO BE TAKEN IN CASE MATERIAL IS

RELEASED OR SPILLED; CUT THE FIRE SOURCE, PUT ON GLOVES AND GAS  
MASK, WASH WITH WATER, RELEASE INTO THE WASTE EQUIPMENT  
WASTE DISPOSAL METHOD: RESTORE OR DISCARD AFTER THE DISPOSAL  
OF DECONTAMINATION

**SECTION VIII-PERSONAL PROTECTION INFORMATION:**

RESPIRATION PROTECTION: WEAR RESPIRATOR AT THE DENSE  
CONCENTRATION CONTACT

VENTILATION:

PROCEDURE FOR EYE & TAKE OFF CLOTHES(OPEN EYELIDS), WASH SKIN  
CONTACT: WITH FLOWING WATER, CALL THE DOCTOR

PROCEDURE FOR INGESTION: RINSE MOUTH, HAVE MILK OR EGGWHITE  
THEN CALL THE DOCTOR

PROCEDURE FOR INHALATION: MOVE TO THE PLACE WITH FRESH AIR  
EYE PRODUCTION: WEAR CHEMICAL PROTECTING GLASSES

OTHER PROTECTIVE EQUIPMENT:

PROTECTIVE GLOVES: RUBBER

**SECTION IX-SPECIAL PRECAUTION:**

PRECAUTIONS TO BE TAKEN IN HANDLING

AND STORING: KEPT IN WELL CLOSED CONTAINS, IN A LIGHT-RESISTANT,  
COOL PLACE

EXPLRY TERM:

OTHER PRECAUTIONS: FREE FROM THE FIRE, AVOID STRAIGHT SUNLIGHT;  
ISOLATE FROM OXIDIZER AND ALKALI; BE CAREFUL  
IN CARRYING

