

MATERIAL SAFETY DATE SHEET

Tianki(China) Enterprise Co., Ltd
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Hangzhou, China
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1. TRADE NAME(PRODUCT IDENTIFIER): Benzidine Yellow TGR-XL

MANUFATURER: Tianki(China) Enterprise Co., Ltd
Nanyang ETDZ,Xiaoshan Area, Hangzhou, China
EMERGENCY NUMBER : Tel: 0086-571-82778679 Fax:0086-571-82778609

2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTENT: C.I.21100 CAS-NO.:5102-83-0 EINECS NO.: : 225-822-9
HAZARDOUS INGREDIENTS: NO Hazardous

3. POSSIBLE HAZARDS

Not classified as hazardous

4. FIRST AID MEASURES

GENERALADVICE

IF INHALED	IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. IF A EMPLOYEE HAS INHALED MORE THAN A TOLERABLE QUANTITY OF DUST COUNTERACT BY REMOVAL OF PERSON TO FRESH AIR
ON SKIN CONTACT	AVOID CONTACT WITH SKIN. WASH CONTAMINATED PARTS WITH PLENTY OF WATER
ON CONTACT WITH EYES	AVOID CONTACT WITH EYES. IF EYE CONTAMINATED, RINSE IT OUT WITH WATER, ASK FOR MEDICAL HELP
ON INGESTION	WHEN USING DO NOT EAT OR DRINK. IF SWALLOWED, INDUCE VOMITING,SEEK MEDICAL ADVICE IMMEDIATELY

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: water, water mist, foam, co2
Unsuitable extinguishing media for safety reasons:
The following can be given off in a fire : gas/ vapour
Special protective equipment : wear suitable respiratory equipment
Further information : the contaminated water must be eliminated based on law

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: DO NOT BREATHE THE DUST
ENVIRONMENTAL PRECAUTIONS: AVOID CREATING DUST CONDITIONS
METHODS FOR CLEANING UP : BURNING OR DISPOSAL IN ACCORDANCE WITH
LOCAL REGULATIONS FOR CHEMICAL WASTE

7. HANDLING AND STORAGE

HANDLING :
PROTECTION AGAINST FIRE AND EXPLOSION : KEEP AWAY FROM SOURCES OF IGNITION-NO
SMOKING TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES

STORAGE :
KEEP ONLY IN THE ORIGINAL CONTAINER AWAY FROM FOOD STUFFS IN DRY AND
VENTILATED AREA

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:TWA(8h/total dust): 10mg/m³
TWA(8h/dust breathable): 5mg/m³

CONTROL PARAMETERS AND PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: FILTERS
HAND PROTECTION: GLOVES
EYE PROTECTION: SAFETY GALSSES
BODY PROTECTION: PROTECTIVE SUIT

GENERAL SAFETY AND HYGIENE MEASURES: WHEN USING DO NOT EAT OR DRINK

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOUR : yellow powder
ODOUR : mild
MELTING SOFTENING POINT: 344 °C
MOLECULAR FORMULA: C₃₆H₃₄Cl₂N₆O₄
MOLECULAR FORMULAR:686.5
TINTING STRENGTH: 95-105% of the standard
SOLUBLE IN WATER : 1.5% max
DENSITY:1.2-1.45
VOLATILE AT 105°C: 2.5% max
OIL ABSORPTION: 45-55%

FASTNESS TO LIGHT: 6
FASTNESS TO HEAT(°C): 200
BLEEDING RESISTANCE WATER :5
BLEEDING RESISTANCE ACID: 5
BLEEDING RESISTANCE ALKALI :5
BLEEDING RESISTANCE ALCOHOL: 5

10. STABILITY AND REACTIVITY

CONDITION TO AVOID: PROTECT FROM HUMIDITY

HAZARDOUS REACTIONS :
HAZARDOUS DECOMPOSITION PRODUCTS:

11. TOXICOLOGICAL INFORMATION

ORAL ACUTE TOXICITY(RAT) : LD50 > 2000mg/kg or treated in rats
SKIN IRRITATION(RABBIT) : Skin irritation studies have been reported to be negative
EYES IRRITATION(RABBIT'S EYES) : Eye irritation studies have been reported to be negative

12. ECOLOGICAL INFORMATION

BIOLOGICAL ELIMINATION
FISH TOXICITY LC50

13. DISPOSAL CONSIDERATION

DISPOSE OF THE PRODUCT IN ACCORDANCE WITH LAW

14. TRANSPORT INFORMATION

GGVSee/IMDG: NO HAZARDOUS PRODUCT UN NO: NO HAZARDOUS PRODUCT
GGVE/GGVS: NO HAZARDOUS PRODUCT RID/ADR: NO HAZARDOUS PRODUCT
ICAO/IATA-DGR: NO HAZARDOUS PRODUCT ADN: NO HAZARDOUS PRODUCT

15. REGULATORY INFORMATION

LABELLING ACCORDING TO EEC DIRECTIVES
DESCRIPTION OF HAZARDOUS ' SYMBOL
DESCRIPTION OF RISK PHRASES

IN ACCORDANCE WITH THE FOLLOWING LAW:

16. OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE AND DOES NOT THEREFORE GUARANTEE CERTAIN PROPERTIES.
