

# SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : MIGHTY 150  
SUPPLIER : Kao Chemical Corporation Shanghai  
ADDRESS : No.1500, Bei Song Road, Minhang District, Shanghai 201111,P.R.China  
DIVISION :  
TELEPHONE NUMBER : 86-21-6409-2880  
FAX NUMBER : 86-21-6409-2881  
E-MAIL ADDRESS :  
EMERGENCY TELEPHONE NUMBER : 86-21-6409-2880  
RECOMMENDED USE :  
AND RESTRICTIONS ON USE :

## [2.HAZARDS IDENTIFICATION]

### GHS CLASSIFICATION

PHYSICAL AND CHEMICAL HAZARDS : Not classified

### HEALTH HAZARDS

ACUTE TOXICITY (Oral) : Not classified  
ACUTE TOXICITY (Dermal) : Not classified  
ACUTE TOXICITY (Inhalation) : Not applicable(Vapours)  
SKIN CORROSION / IRRITATION : Not classified  
SERIOUS EYE DAMAGE / EYE IRRITATION : Not classified  
RESPIRATORY SENSITIZATION : Classification not possible  
SKIN SENSITIZATION : Classification not possible  
GERM CELL MUTAGENICITY : Classification not possible  
CARCINOGENICITY : Classification not possible  
REPRODUCTIVE TOXICITY : Classification not possible  
SPECIFIC TARGET ORGAN TOXICITY  
- SINGLE EXPOSURE : Classification not possible  
- REPEATED EXPOSURE : Classification not possible  
ASPIRATION HAZARD : Classification not possible

### ENVIRONMENTAL HAZARDS

#### HAZARDOUS TO THE AQUATIC ENVIRONMENT

- ACUTE HAZARD : Category 3  
- LONG-TERM HAZARD : Category 3  
- HAZARDOUS TO THE OZONE LAYER : Classification not possible

### GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS : Not applicable

SIGNAL WORD : Not applicable

HAZARD STATEMENTS : Harmful to aquatic life with long lasting effects

### PRECAUTIONARY STATEMENTS

PREVENTION : Avoid release to the environment.

RESPONSE : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN: Gently wash with plenty of water and soap.  
Call a POISON CENTER or doctor if you feel unwell.

STORAGE :

DISPOSAL : Passed to a licensed waste contractor.  
SAFE HANDLING ADVICE : Refer to SDS.

[3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Mixture  
INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	Confidential	Confidential
Water	Confidential	7732-18-5

[4.FIRST-AID MEASURES]

IN CASE OF INHALATION : Remove person to fresh air and keep comfortable for breathing.  
IN CASE OF SKIN CONTACT : Gently wash with plenty of soap and water.  
IN CASE OF EYE CONTACT : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IN CASE OF INGESTION : Call a POISON CENTER or doctor if you feel unwell.

[5.FIRE-FIGHTING MEASURES]

EXTINGUISHING MEDIA : Powder, alcohol-resistant foam, water spray, carbon dioxide,sand  
NOT SUITABLE EXTINGUISHING MEDIA : No information available  
SPECIFIC HAZARDS : Produce irritating or toxic gases in a fire.  
SPECIFIC METHODS : Keep away from sources of ignition and use appropriate extinguishing media.Fight fire from upwind position if possible.  
Product itself is non-combustible.  
Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.  
PROTECTION OF FIRE FIGHTERS : Use goggles in combination with dust mask, and other protections as appropriate to situation.  
Risk of producing harmful gases such as carbon monoxide and sulfur oxides. Avoid inhalation of smoke or gases.

[6.ACCIDENTAL RELEASE MEASURES]

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE : Use goggles and protective gloves.  
Large spills : Remove person to safety.  
Ensure adequate ventilation.  
ENVIRONMENTAL PRECAUTIONS : Avoid release to the environment.  
METHODS FOR CLEANING UP : Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth.  
Large spills: Dike spills and dispose of in safe area.  
PREVENTION OF SECONDARY HAZARDS : No information available

[7.HANDLING AND STORAGE]

HANDLING  
TECHNICAL MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
PRECAUTIONS : No information available  
SAFE HANDLING ADVICE : Use an adequate ventilation.  
Wash thoroughly after handling.  
If needed, use personal protective equipment as required.

STORAGE

SUITABLE STORAGE CONDITIONS : Store container tightly closed in well-ventilated place.  
SAFE PACKAGING MATERIALS : No information available

## [8.EXPOSURE CONTROLS / PERSONAL PROTECTION]

ENGINEERING MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
Use an adequate ventilation.

## LIMIT VALUES

ACGIH (TLV) : Not established  
OSHA (PEL) : Not established

## PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : Use as appropriate to situation.  
HAND PROTECTION : Rubber gloves  
EYE PROTECTION : Safety glasses  
SKIN AND BODY PROTECTION : Full-body suit  
HYGIENE MEASURES : No information available

## [9.PHYSICAL AND CHEMICAL PROPERTIES]

## APPEARANCE

PHYSICAL STATE : Liquid  
COLOUR : Black-brown  
ODOUR : Slightly characteristic odour  
pH : 9 (5% solution)

SPECIFIC TEMPERATURES / TEMPERATURE RANGES  
AT WHICH CHANGES IN PHYSICAL STATE OCCUR

BOILING POINT : No information available  
MELTING POINT : No information available  
FLASH POINT : Not applicable

## FLAMMABILITY OR EXPLOSIVE PROPERTIES

FLAMMABILITY OR EXPLOSIVE LIMITS : UPPER LIMIT : No information available LOWER LIMIT : No information available  
VAPOUR PRESSURE : No information available  
VAPOUR DENSITY : No information available  
DENSITY (SPECIFIC GRAVITY) : 1.2 g/mL ( 20 °C) ( 68 °F)  
SOLUBILITY  
WATER SOLUBILITY : Soluble  
SOLVENT SOLUBILITY : Poor soluble in lower alcohol.  
PARTITION COEFFICIENT: n-OCTANOL / WATER (log Pow) : No information available  
AUTO-IGNITION TEMPERATURE : No information available  
DECOMPOSITION TEMPERATURE : No information available  
ODOUR THRESHOLD : No information available  
EVAPORATION RATE : No information available  
FLAMMABILITY (SOLID,GAS) : No information available  
VISCOSITY : No information available  
OTHER DATA : No information available

## [10.STABILITY AND REACTIVITY]

CHEMICAL STABILITY : Stable in general.  
POSSIBILITY OF HAZARDOUS REACTIONS : No information available

CONDITIONS TO AVOID : No information available  
 INCOMPATIBLE MATERIALS : No information available  
 HAZARDOUS DECOMPOSITION PRODUCTS : No information available  
 OTHERS : No information available

## [11.TOXICOLOGICAL INFORMATION]

## ACUTE TOXICITY

Oral  
 INFORMATION ON PRODUCT : Rat, LD50 : 5.2 g/kg (Data on main component)  
 Mouse, LD50 : 4884 mg/kg (Data on main componenet)

INFORMATION ON INGREDIENTS : No information available

## Dermal

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## Inhalation

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## RESPIRATORY OR SKIN SENSITIZATION

## RESPIRATORY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## SKIN

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## MUTAGENICITY (GERM CELL MUTAGENICITY)

INFORMATION ON PRODUCT : Ames test (TA98, TA100) : Negative

INFORMATION ON INGREDIENTS : No information available

## CARCINOGENICITY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

IARC : Not listed

NTP : Not listed

EU : Not listed

OSHA : Not listed

## REPRODUCTIVE TOXICITY

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## SPECIFIC TARGET ORGAN TOXICITY

## - SINGLE EXPOSURE

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS : No information available

## - REPEATED EXPOSURE

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available  
 ASPIRATION HAZARD  
 INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available  
 OTHER INFORMATION : No information available

## [12.ECOLOGICAL INFORMATION]

ECOTOXICITY : No information available  
 PERSISTENCE / DEGRADABILITY : Biodegradation test based on Modified MITI test I :  
     Not readily biodegradable  
     % degradation by BOD : 1.5%  
     % degradation by TOC removed : 8.5%  
 MOBILITY IN SOIL : No information available  
 BIOACCUMULATIVE POTENTIAL : No information available  
 OTHER ADVERSE EFFECTS : No information available

## [13.DISPOSAL CONSIDERATIONS]

Review "HANDLING AND STORAGE (Section 7)".  
 Passed to a licensed waste contractor.  
 Incinerate with little portions.  
 Risk of producing harmful gases such as carbon monoxide and sulfur oxides.

Dispose of waste in accordance with local, state and federal regulations.

## [14.TRANSPORT INFORMATION]

Follow all regulations in your country or region  
 INTERNATIONAL REGULATIONS  
 UN CLASS / UN NUMBER : Not applicable (IMDG, IATA)  
 SPECIAL PRECAUTIONS FOR USER : Review "ACCIDENTAL RELEASE MEASURES (Section 6)".  
 Review "HANDLING AND STORAGE (Section 7)".  
 Ensure containers without breakage or leakage.  
 Ensure containers tightly fixed.  
 Follow all regulations in your country or region.

## [15.REGULATORY INFORMATION]

Follow all regulations in your country or region.

INVENTORIES	: ENCS(Japan)	Yes
	TSCA(USA)	Yes
	EINECS(EU)	Yes
	AICS(Australia)	Yes
	DSL(Canada)	Yes
	ECL(Korea)	Yes
	PICCS(Philippines)	Yes
	IECSC(China)	Yes
	TCSI(Taiwan)	Yes

KAO Corporation is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

## [16.OTHER INFORMATION]

REFERENCE : -Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1)

-International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)

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