

## SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : MIGHTY 21P  
SUPPLIER : Kao Corporation  
ADDRESS : 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan  
DIVISION : Chemical Business  
TELEPHONE NUMBER : 81-3-5630-7700  
FAX NUMBER : 81-3-5630-7889  
E-MAIL ADDRESS : chemical@kao.co.jp  
EMERGENCY TELEPHONE NUMBER : 81-3-5630-7700  
RECOMMENDED USE :  
AND RESTRICTIONS ON USE :

## [2.HAZARDS IDENTIFICATION]

## GHS CLASSIFICATION

PHYSICAL AND CHEMICAL HAZARDS : Not classified

## HEALTH HAZARDS

ACUTE TOXICITY (Oral) : Classification not possible  
ACUTE TOXICITY (Dermal) : Classification not possible  
ACUTE TOXICITY (Inhalation) : Not applicable(Vapours)  
SKIN CORROSION / IRRITATION : Classification not possible  
SERIOUS EYE DAMAGE / EYE IRRITATION : Classification not possible  
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 : Classification not possible  
- LONG-TERM HAZARD : Classification not possible  
- HAZARDOUS TO THE OZONE LAYER : Classification not possible

## GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS : Not applicable

SIGNAL WORD : Not applicable

HAZARD STATEMENTS : Not applicable

## PRECAUTIONARY STATEMENTS

PREVENTION : Wash thoroughly after handling.  
If needed, use personal protective equipment as required.

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 : Store in well-ventilated place.  
 DISPOSAL :  
 SAFE HANDLING ADVICE : Refer to SDS.

## [3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Mixture

## INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Sodiummethacrylate-methoxypolyethyleneglycohl methacrylate copolymer	Confidential	Confidential
Other components	Confidential	

## [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 : Water spray, powder  
 NOT SUITABLE EXTINGUISHING MEDIA : No information available  
 SPECIFIC HAZARDS : No information available  
 SPECIFIC METHODS : Keep away from sources of ignition and use appropriate extinguishing media.Fight fire from upwind position if possible.  
 PROTECTION OF FIRE FIGHTERS : Use goggles in combination with dust mask, and other protections as appropriate to situation.

## [6.ACCIDENTAL RELEASE MEASURES]

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE : Use mask, goggles and protective gloves.  
 Large spills : Remove person to safety.  
 Ensure adequate ventilation.  
 Treat from upwind position.  
 ENVIRONMENTAL PRECAUTIONS : Do not discharge into the drains, surface waters or ground water directly.  
 METHODS FOR CLEANING UP : Prevent dispersion of dust.  
 Sweep or vacuum by dust-explosion-proof type cleaner.  
 Prevent dispersion of dust.  
 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 : Avoid inhalation of fine dust .  
 SAFE HANDLING ADVICE : Use an adequate ventilation.  
 Wash thoroughly after handling.  
 If needed, use personal protective equipment as required.  
 Prevent generation of dust.  
 This material may cause risk of dust explosion.

## 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 local exhaust ventilation, in case of generation of dust.

#### LIMIT VALUES

ACGIH (TLV) : 10 mg/m<sup>3</sup> TWA (inhalable particles, recommended); 3 mg/m<sup>3</sup> TWA (respirable particles, recommended)(Particulates (insoluble or poorly soluble) not otherwise specified (PNOS))

OSHA (PEL) : 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction) (Particulates not otherwise regulated)

#### PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : Use dust mask, as appropriate to situation.

HAND PROTECTION : Rubber gloves

EYE PROTECTION : Safety glasses with side shield(Safety goggles or Face shield)

SKIN AND BODY PROTECTION : Full-body suit

HYGIENE MEASURES : No information available

#### [9.PHYSICAL AND CHEMICAL PROPERTIES]

##### APPEARANCE

PHYSICAL STATE : Powder

COLOUR : Pale yellow

ODOUR : Odourless

pH : 6.5 (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) : 0.4 g/mL ( 25 °C) ( 77 °F)

SOLUBILITY

WATER SOLUBILITY : Soluble

SOLVENT SOLUBILITY : Poor soluble in organic solvents.

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	: No information available
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	: No information available
INFORMATION ON INGREDIENTS	: No information available

**CARCINOGENICITY**

INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available

IARC	: Not listed
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NTP	: Not listed
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EU	: Not listed
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OSHA	: Not listed
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**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 : No information available  
 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.  
 This product may cause risk of dust explosion.

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(Active not ensured)
	REACH(EU)	Not evaluated
	AICS(Australia)	Yes
	DSL(Canada)	Yes
	ECL(Korea)	No
	PICCS(Philippines)	No
	IECSC(China)	No
	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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