

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 : Global 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 HAZARD (Oral) : Classification not possible
ACUTE HAZARD (Dermal) : Classification not possible
ACUTE HAZARD (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 : Substance
INGREDIENTS AND CONCENTRATION RANGE : Sodiummethacrylate-methoxypolyethyleneglycohl methacrylate copolymer
CAS RN : 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.
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 ³ TWA (inhalable particles, recommended); 3 mg/m ³ TWA (respirable particles, recommended)(Particulates (insoluble or poorly soluble) not otherwise specified (PNOS))
OSHA (PEL)	:	15 mg/m ³ TWA (total dust); 5 mg/m ³ 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)	:	0.575 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 HAZARD

Oral

INFORMATION ON PRODUCT : No information available

Dermal

INFORMATION ON PRODUCT : No information available

Inhalation

INFORMATION ON PRODUCT : No information available

SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : No information available

SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : No information available

RESPIRATORY OR SKIN SENSITIZATION

RESPIRATORY

INFORMATION ON PRODUCT : No information available

SKIN

INFORMATION ON PRODUCT : No information available

MUTAGENICITY (GERM CELL MUTAGENICITY)

INFORMATION ON PRODUCT : No information available

CARCINOGENICITY

INFORMATION ON PRODUCT : No information available

IARC : Not listed

NTP : Not listed

EU : Not listed

OSHA : Not listed

REPRODUCTIVE TOXICITY

INFORMATION ON PRODUCT : No information available

SPECIFIC TARGET ORGAN TOXICITY

- SINGLE EXPOSURE

INFORMATION ON PRODUCT : No information available

- REPEATED EXPOSURE

INFORMATION ON PRODUCT : No information available

ASPIRATION HAZARD

INFORMATION ON PRODUCT : No information available

OTHER INFORMATION

: No information available

[12.ECOLOGICAL INFORMATION]

ECOTOXICITY : No information available

ACUTE HAZARD : No information available

LONG-TERM HAZARD : 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

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(Polymer)
		AICS(Australia)	Yes
		DSL(Canada)	Yes
		ECL(Korea)	Yes
		PICCS(Philippines)	Yes(Polymer)
		IECSC(China)	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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