

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): MIGHTY 21HF

Product No.: A0000658

Manufacturer/Importer/Distributor Information

Information on domestic manufacturer

Company Name: Kao Corporation
 Address: 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan
 Telephone: +81-3-5630-7700
 Fax: +81-3-5630-7889
 Division: Chemical Business
 E-mail: chemical@kao.co.jp

Emergency telephone number: 81-3-5630-7700

2. Hazard(s) identification

GHS classification:

Health Hazards

Skin sensitizer Category 1

GHS label elements

Pictograms:



Signal Word: Warning

Hazard Statement: May cause an allergic skin reaction.

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

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: Wash with plenty of water. If skin irritation or rash occurs: Get medical

advice/attention. Take off immediately all contaminated clothing.

Storage: -

Disposal: Passed to a licensed waste contractor.

Unknown toxicity - Health

Acute toxicity, oral	24.11 %
Acute toxicity, dermal	24.11 %
Acute toxicity, inhalation, dust or mist	24.22 %

3. Composition/information on ingredients

Mixtures

General information: No data available.

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Preservative(heterocyclic compound)	Trade Secret	Yes	Yes	

4. First-aid measures

Description of necessary first-aid measures

- Inhalation:** Remove person to fresh air and keep comfortable for breathing.
- Skin Contact:** If skin irritation or rash occurs: Get medical advice/attention. Flush skin with running water. Take off contaminated clothing and wash before re-use.
- Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion:** Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media:** Powder, alcohol-resistant foam, water spray, carbon dioxide,sand
- Unsuitable extinguishing media:** No data available.

Specific hazards arising from the chemical: No data available.

Special protective equipment and precautions for firefighters
 SDS JP-A0000658-J

Special fire fighting procedures:	Product itself is non-combustible. Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.
Special protective equipment for 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 procedures	Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.
Methods and material for containment and 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.
Environmental Precautions:	Do not discharge into the drains, surface waters or ground water directly.
Prevention of secondary hazards:	No data available.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Safe handling advice:	Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.
Contact avoidance measures:	No data available.
Hygiene measures:	No data available.

Storage

Safe storage conditions:	Keep container tightly closed. Store in a well-ventilated place.
Safe packaging materials:	No data available.
Storage Temperature:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None known.

Individual protection measures, such as personal protective equipment

Eye/face protection:	Safety glasses
Hand Protection:	Material: Rubber gloves
Skin and Body Protection:	Full-body suit
Respiratory Protection:	Use as appropriate to situation.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Liquid
Color:	Yellow to brown
Odor:	Slight characteristic odor
Odor Threshold:	No data available.
pH:	5.3 /Undiluted solution
Freezing point:	< 68 °F/20 °C
Boiling Point:	No data available.
Flash Point:	/ Not detected
Evaporation Rate:	No data available.
Flammability:	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	1.063 g/ml (50 °F/10 °C) 1.059 g/ml (68 °F/20 °C) 1.055 g/ml (86 °F/30 °C)
Relative density:	No data available.
Solubility in Water:	Soluble
Solubility (other):	Poorly soluble in lower alcohol
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	No data available.
Dynamic viscosity:	39 mPa.s (50 °F/10 °C) 31 mPa.s (68 °F/20 °C)

26 mPa.s (86 °F/30 °C)

Particle properties: No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Stable in general.

Possibility of hazardous reactions: Has no self-reactivity.

Conditions to avoid: No data available.

Incompatible Materials: Avoid ferric vessel.

Hazardous Decomposition Products: No special hazardous and harmful combustion or decomposition.

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

Product: Classification not possible due to insufficient data.

Components:

Preservative(heterocyclic compound) Category 3: (87)

Dermal

Product: Classification not possible due to insufficient data.

Components:

Preservative(heterocyclic compound) Category 3: (87)

Inhalation

Product: Dusts, mists and fumes: Classification not possible due to insufficient data.
 Vapour: No data available.
 Not classified based on available data of component(s).

Components:

Preservative(heterocyclic compound) Category 2: Inhalation - dust and mist: (87)

Skin Corrosion/Irritation

Product: Classification not possible due to insufficient data.

Components:

Preservative(heterocyclic compound) Category 1B. (87)

Serious Eye Damage/Eye Irritation

Product: Classification not possible due to insufficient data.

Components:

Preservative(heterocyclic compound) Category 1. (7)

Respiratory or Skin Sensitization

Product: Respiratory: Classification not possible due to insufficient data.

Skin sensitization- -Components:

Preservative(heterocyclic compound) Category 1A. (87)

Carcinogenicity

Product: Classification not possible due to insufficient data.

IARC:

No carcinogenic components identified

ACGIH:

No carcinogenic components identified

NTP:

No carcinogenic components identified

JSOH:

No carcinogenic components identified

EU

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: Classification not possible due to insufficient data.

In vivo

Product: Classification not possible due to insufficient data.

Reproductive toxicity

Product: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Single Exposure

Product: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Repeated Exposure

Product: Classification not possible due to insufficient data.

Aspiration Hazard

Product: Classification not possible due to insufficient data.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment

Fish

Product: Classification not possible due to insufficient data.

Aquatic Invertebrates

Product: Classification not possible due to insufficient data.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Preservative(heterocyclic compound) Category 1: (87)

Chronic hazards to the aquatic environment

Fish

Product: Classification not possible due to insufficient data.

Aquatic Invertebrates

Product: Classification not possible due to insufficient data.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Preservative(heterocyclic compound) Category 1: (87)

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Hazardous to the ozone layer: No data available.
 Not classified based on available data of component(s).Not Regulated

Further Information: No data available.

13. Disposal considerations

Disposal methods: Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor.

Contaminated Packaging: No data available.

14. Transport information

International regulations

IMDG

Not regulated.

IATA

Not regulated.

National Regulations

Domestic Standard: In compliance with domestic law.

15. Regulatory information

Law concerning Pollutant Release and Transfer Register

Not Regulated

Industrial Safety and Health Law

Not Regulated

Poisonous and Deleterious Substances Control Act

Not Regulated

Explosives Control Act:

Not Regulated

High Pressure Gas Safety Act:

Not Regulated

Fire Service Act:

Not applicable to dangerous materials / designated flammables.

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

Not Regulated

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:

Not Regulated

Air Law, Enforcement Rule:

SDS JP-A0000658-J

Not Regulated

Export Trade Control Order:
 Not Regulated

Inventory Status:

US TSCA Inventory:	Not in compliance with the inventory
Canada DSL Inventory List:	Not in compliance with the inventory
Australia AICS:	Not in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Philippines PICCS:	Not in compliance with the inventory
China Inv. Existing Chemical Substances:	Not in compliance with the inventory
REACH (EU):	Contact us for information
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

16.Other Information

Disclaimer:

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

Reference:

- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- International Chemical Safety Cards (ICSC) (Compiler's Guide) (1994)
- GHS guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association
- (7): Cosmetic Ingredient Review (CIR)
- (87): EU CLP Regulation Annex VI