



SDS No.: B0010632
Revision Date: -
Version #: 1.0
Last revised date: -
Issue Date: 2021.04.26

Product name:
ROMILAT

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): ROMILAT

Product No.: B0010632

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:

Physical Hazards

Flammable liquids Category 3

Health Hazards

Skin Corrosion/Irritation Category 2

Environmental Hazards

Acute hazards to the aquatic environment Category 3

Chronic hazards to the aquatic environment Category 3

GHS label elements

Pictograms:

Product name:
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Signal Word:	Warning
Hazard Statement:	Flammable liquid and vapor. Causes skin irritation. Harmful to aquatic life with long lasting effects.
Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Take action to prevent static discharges. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Avoid release to the environment. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.
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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER or doctor if you feel unwell. In case of fire : Keep away from sources of ignition and use appropriate extinguishing media.
Storage:	Store in a well-ventilated place. Keep container tightly closed.
Disposal:	Passed to a licensed waste contractor.
Unknown toxicity - Health	
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	100 %
Unknown toxicity - Environment	
Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	0 %

3. Composition/information on ingredients

Substances



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Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Propanoic acid, 2,2-dimethyl-, 3-methyl-3-butenyl ester	104468-21-5	(2)-760	(2)-760	

4. First-aid measures

Description of necessary first-aid measures

Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin Contact:	Rinse skin with water [or shower]. If skin irritation occurs, get medical advice/attention. 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, carbon dioxide, sand
Unsuitable extinguishing media:	Do not spray cylindrical water.

Specific hazards arising from the chemical: No data available.

Special protective equipment and precautions for fire fighters

Special fire fighting procedures:	Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.
Special protective equipment for fire-fighters:	Use goggles in combination with dust mask, and other protections as appropriate to situation.

6. Accidental release measures



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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:	Avoid release to the environment.
Prevention of secondary hazards:	Keep away from sources of ignition and prepare extinguishing media.

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. Use an adequate ventilation.
Safe handling advice:	Keep away from source of ignition. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.
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. Keep away from source of ignition.
Safe packaging materials:	No data available.
Storage Temperature:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Product: None known.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses



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Hand Protection: Material: Rubber gloves
Skin and Body Protection: Full-body suit
Respiratory Protection: Use as appropriate to situation.
Hygiene measures: No data available.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state: liquid
Form: Liquid
Color: Colorless clear
Odor: Characteristic odour
Odor Threshold: No data available.
Freezing point: < 68 °F/20 °C
Boiling Point: > 104 °F/40 °C
Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.
Explosive limit - lower: No data available.

Flash Point: 135 °F/57 °C (Tag closed cup)

Self Ignition Temperature: No data available.

Decomposition Temperature: No data available.

pH: No data available.

Viscosity

Dynamic viscosity: No data available.

Kinematic viscosity: No data available.

Flow Time: No data available.

Solubility(ies)

Solubility in Water: The product has poor water-solubility.

Solubility (other): Soluble in ethyl alcohol

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.

Density: 0.868 g/ml (77 °F/25 °C)

Relative vapor density: No data available.

Particle characteristics

Particle Size Distribution: No data available.



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10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable in general.
Possibility of hazardous reactions:	Material is stable under normal conditions.
Conditions to avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	Carbon dioxide

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (Rat): > 2,000 mg/kg
Not classified based on available data.

Dermal

Product: LD 50 (Rat) > 2,000 mg/kg
Not classified based on available data.

Inhalation

Product: Dusts, mists and fumes: Classification not possible due to insufficient data.
Vapour: Classification not possible due to insufficient data.

Skin Corrosion/Irritation

Product: No data available.

Components:

Propanoic acid, 2,2-dimethyl-, 3-methyl-3-butenyl ester
Category 2 (21)

Serious Eye Damage/Eye Irritation

Product: No data available.
Not classified based on available data of component(s).

Respiratory or Skin Sensitization

Product: Skin: No data available.
Not classified based on available data of component(s).
Respiratory: Classification not possible due to insufficient data.



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**Carcinogenicity
Product:**

Classification not possible due to insufficient data.

IARC:

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:

Not classified Rat, 28 days repeated administration by gavage, 0, 50, 150, 450 mg/kg body weight : NOEL = 150 mg/kg (male, female)
Not classified based on available 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:

LC 50 (Zebra Fish, 96 h): 548 mg/l

Aquatic Invertebrates



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Product: EC 50 (Daphnia, 48 h): 55 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Components:

Propanoic acid, 2,2-
dimethyl-, 3-methyl-3-
butenyl ester Category 3 (84)

Chronic hazards to the aquatic environment

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Propanoic acid, 2,2-
dimethyl-, 3-methyl-3-
butenyl ester Category 3 (84)

Persistence and Degradability

Biodegradation

Product: 25 - 33 % (28 d, OECD TG301D)

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.

Further Information:

No data available.

13. Disposal considerations



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Disposal methods: Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. This material is containing flammable materials. Be careful in case of incineration. Remove the contents completely in case of disposal of the container.

Contaminated Packaging: No data available.

14. Transport information

International regulations

IMDG

UN Number:	UN 3272
UN Proper Shipping Name:	ESTERS, N.O.S. (Propanoic acid, 2,2-dimethyl-, 3-methyl-3-butenyl ester)
Transport Hazard Class(es)	
Class:	3
Label(s):	3
EmS No.:	F-E, S-D
Packing Group:	III
Limited quantity	5.00L
Excepted quantity	E1
Environmentally Hazardous:	No
Marine Pollutant:	No
Special precautions for user:	Not regulated.

IATA

UN Number:	UN 3272
UN Proper Shipping Name:	Esters, n.o.s. (Propanoic acid, 2,2-dimethyl-, 3-methyl-3-butenyl ester)
Transport Hazard Class(es):	
Class:	3
Label(s):	3
Packing Group:	III
Excepted quantity	E1
Environmentally Hazardous:	No
Marine Pollutant:	No
Special precautions for user:	Not regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 355
Cargo aircraft only:	Allowed. 366
UN Proper Shipping Name (JP):	ESTERS, N. O. S. (Propanoic acid, 2, 2-dimethyl-, 3-methyl-3-butenyl ester)

National Regulations

Domestic Standard: In compliance with domestic law.

Emergency Response Guide Number128



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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:

Group 4: Flammable liquids, Type 2 petroleums, Water insoluble liquid, Designated Quantity (1000 litre)
III: Hazardous rank III

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:

Flammable liquids

Air Law, Enforcement Rule:

Flammable liquids

Export Trade Control Order

Not Regulated

Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	Not in compliance with the inventory
Australia AICS:	On or 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:	On or in compliance with the inventory
REACH (EU):	Contact us for information
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory



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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
- (21): Estimation
- (84): IFRA-IOFI LABELING MANUAL