

SAFETY DATA SHEET (SDS)

1. Chemical Product and Company Identification

Product Code : M A K U H A L
Name : Fujichika. Ltd
Section in Charge : 1-130, Funairi, Kanie-cho, Ama-gun, Aichi 497-0048, Japan
Person in Charge : Tech.
Emergency Telephone No. : 052-852-1670
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2. Hazards Identification

[GHS Classification]

Not applicable to classification criteria

[GHS Label elements]

Label or Symbol None

Single word None

Hazard statements None

[Precautionary statements]

Prevention Use in a well-ventilated area/
Wash hand thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves as specified by the competent authority.
Avoid release to the environment.

First aid measures If eye irritation persists, get medical advice/attention.
If skin irritation/rash occurs, seek medical advice/attention.

Storage Avoid direct sunlight, and store in dark after close tightly container.

Disposal Dispose of contents/container in accordance
with local/regional/national/international regulation.

3. Composition, Information On Ingredients

Single product/Mixed product	Mixed product	
Components	CAS No.	Wt.(%)
Natural rubber	N. AP.	53
Ammonia	1-314	< 0.1
Preservative	N. AV.	Trace
Surface-active agent	N. AV.	Trace
Water	N. AP.	40

4. First Aid Measures

Inhalation Rinse mouth thoroughly with plenty of water.
If feels unwell, get medical attention.

Skin contact Flush with plenty of water and soap.
If pain persists for skin, seek medical advice/attention.

Eye contact Wash contaminated clothing before use.
Flush with clean water for a few minutes.
If pain persists for eyes, seek medical advice/attention.

Ingestion Drink plenty of water and vomit, seek medical advice/attention.

5. Fire Fighting measures

Extinguishing media	Powder fire-extinguisher, foam fire-extinguisher, sand, spray water, and carbon dioxide. it' not easy to burn due to containing 40% for water, but this product is flammable.
Prohibited media	Use of straight stream water is at risk of danger due to spreading fire.
Specific hazards with regard to fire-fighting	There is a stimulus characteristic or a poisonous and a possibility of generating the gas depending upon fire.
Protection for firefighters	Do fire fighting on the windward side if possible. Prohibit the outskirts from an entrance. Remove immediately supplying burning source to avoid spreading fire.
Fire fighting instructions	Wear protective items (gloves, glasses and mask).

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	If indoors, ventilate the room until the end. Furnish with extinguisher proper for accidental fire. In a mass outflow, get someone to safety.
Ecological information	Avoid to flush with water if runoff into the river and lake is considered. Take precautions so as not to discharge to river, sewage line and earth.
Methods and materials for containment and clean up	In the case of a little outflow, absorb and remove by absorbent (sawdust, sand, and waste cloth, etc.) I prevent an outflow by laying earth on the ground in a mass outflow. Or pump up with a vacuum and the like, place in a container.
Preventive measures for secondary accident	Contact relevant organizations as necessary to prevent the spread of accidents.

7. Handling and Storage

Handling	Handle in well ventilated area and close tightly container with closer necessarily during and after use. Install proper total ventilator or local ventilator.
Storage	Avoid direct sunlight, and storage in 5-35°C. Close tightly container.
Container	Use airtight container.
Other	This product have the potential of creaming, isolation and viscosity increase.

8. Exposure Controls and Personal Protection

Control concentration	: Not set		
	<u>ACGIH(2006 version)</u>		<u>OSHA</u>
Components name	TLV-TWA	TLV-STEL	PEL-TWA
Natural rubber	0.001 mg/m ³	Not set	Not set
Ammonia	25 ppm	35 ppm	50 ppm
Equipment	In application in closed space, install local exhauster.		
Protection	Gloves impervious to oil, Safety goggles, and suitable clothing Wear gas mask for Ammonia in the space without ventilation systems.		

9. Physical and Chemical Properties

Appearance	
Physical state	: Liquid
Color	: milky white
Odour	: Rubber smell
pH	: 9
Boiling point	: 100 Degrees C
Freezing point	: 0 Degrees C
Flash point	: N. AV.
Explosion limit	: N. AV.
Density	: 0.95 g/cm ³
Solubility	: Easy to dissolve

10. Stability and Reactivity

Chemical stability	Stable at the normal temperature. Close tightly container after use. Should run out as soon as possible after open. Wish shake the container before use due to uniformly dispersed.
Incompatible materials	N. AV.
Conditions to avoid	Storage on cold and hot condition
Incompatible materials	Strong oxidant
Hazardous decomposition products	CO, CO ₂

11. Toxicological Information

Skin sensitization	Natural rubber Category1
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12. Ecological Information

Not classification in GHS category.
Case of entering the river, it may the river water cloudy.

13. Disposal Considerations

Residual waste	Let authorized industrial waste handling agent dispose of effluent to comply to regulations. Dispose of waste from incineration complying to regulations or acts relating to waste treatment. Don't flow into ditch.
Contaminated container and packing	Dispose by the same method as residual waste.

14. Transport Information General

International regulation	
IMDG	N. AV.
U. N. No.	N. A.
Packing group	N. AV.
Marine pollutant	N. AP.
Domestic regulation	
Maritime Transportation	Accord to requirements specified in "the Vessels Safety Law (the Ship Safety Act)".
Air Transportation	Accord to requirements specified in "the Aviation Act".
Land Transportation	Accord to requirements specified in "Fire Service Law" and "Industrial Safety and Health Law".
Specific safety measures and condition for transport	Use the high-safety container not had a risk for broken and take cautions in freighting them not to occur break by upset and drop.

15. Regulatory Information

Pollutant Release and Transfer Registry (PRTR)	Not applicable
Poisonous and Deleterious Substances Control Law	Not applicable
Fire Service Law	Not applicable
Industrial Safety and Health Law	
Article 57 (Harmful Materials Which Shall Be Labelled)	Not applicable
Article 57-2	Ammonia (No.39)
Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (CSCL)	Not applicable
Act for the Prevention of Marine Pollution and Maritime Disasters	Latex

16. Other Information

This "SDS" is based on relevant information which has been available, and subject to change by new knowledge.

The precautions in "SDS" cover the normal handling.

In the special handling by user, use the product on safety measures under a suitable usage.

Though Fujichika take special care for description in "SDS", no warranty is intended.

Literatures

The Globally Harmonized System of Classification and Labelling of Chemicals Rev.6 :Chemical daily
NITE GHS Mixture Classification and Labels Creation System

:Ministry of Economy, Trade and Industry

Journal of Japan Society for Occupational Health No.48 (2006)

Acceptable concentration and list of carcinogenic property

TLVs and BEIs based on the documentation of the TLVs & BEIs :ACGIH(2006)

U.S. Code of Federal Regulations :OSHA

NTP 11th Report on Carcinogens

NIOSH POCKET GUIDE TO CHEMICAL HAZARDS

EMERGENCY RESPONSE GUIDEBOOK Rev.2 :Japan Chemical Industry Association