

Date of revision : August 25, 2022

SAFETY DATA SHEET

1. PRODUCTION AND COMPANY IDENTIFICATION

Product Name : Sealing Tape Primer (Aerosol)
Ref. Number : 040018-2205E
Type : Acrylic resin paints (Aerosol type)
Use : Aerosol type of adhesive undercoat of paint
for metal, nonferrous metal material, glass or plastic, etc.
Company name : Meguro Chemical Industry Co., Ltd.
Address : 1768 Shimoono, Koga City, Ibaraki 306-0204 Japan
Telephone number : +81-280-92-1221
E-mail : meguro@meguro-kk.co.jp
Emergency : +81-280-92-7147 (FAX)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

PHYSICAL HAZARDS

• Aerosol

Category 1

HEALTH HAZARDS

• Acute toxicity(oral)	Not classified
• Acute toxicity(skin)	Not classified
• Acute toxicity(inhalation: gas)	Not classified
• Acute toxicity(inhalation: vapor)	Category 4
• Acute toxicity(inhalation: dust)	Not classified
• Acute toxicity(inhalation: mist)	Classification not possible
• Skin corrosion / irritation	Category 2
• Serious eye damages / eye irritation	Category 2
• Respiratory sensitization	Classification not possible
• Skin sensitization	Classification not possible
• Germ cell mutagenicity	Classification not possible
• Carcinogenicity	Classification not possible
• Reproductive toxicity	Category 1A May cause harm to breast-fed children
• Specific target organ toxicity: single exposure	Category 1 (Central nervous system, Systemic toxicity) Category 2 (Visual organ) Category 3 (Respiratory tract irritation, Narcotic effects)
• Specific target organ toxicity: repeated exposure	Category 1 (Central nervous system, kidney, Blood system) Category 2 (Respiratory system, Liver, Spleen, Gastrointestinal tract, Visual organ, Auditory organ)
• Aspiration hazard	Category 1

ENVIRONMENTAL HAZARDS

• Aquatic environmental toxicity(acute)	Category 2
• Aquatic environmental toxicity(chronic)	Category 3
• Hazardous to the ozone layer	Classification not possible

GHS label elements

Pictograms or hazard symbols :



Signal word : Danger

Hazard statement

- Extremely flammable Aerosols
- Pressurized container: May burst if heated
- Harmful if inhaled (vapor)
- Causes skin irritation
- Causes serious eye irritation
- May damage fertility or the unborn child
- May cause harm to breast-fed children
- Causes damage to organs ; (Central nervous system, Systemic toxicity)
- May cause damage to organs ; (Visual organ)
- May cause respiratory irritation ; (Respiratory tract irritation)
- May cause drowsiness and dizziness ; (Narcotic effects)
- Cause damage to organs through prolonged or repeated exposure ;
(Central nervous system, Kidney, Blood system)
- May cause damage to organs through prolonged or repeated exposure ;
(Respiratory system, Liver, Spleen, Gastrointestinal tract, Visual organ, Auditory organ)
- May be fatal if swallowed and enters airways
- Toxic to aquatic life
- Harmful to aquatic life with long lasting effects

Precautionary statements

Prevention : Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing vapors/mist/spray.

Use only outdoors or in a well-ventilated area.

Avoid contact during pregnancy/while nursing.

Wash hands thoroughly and gargle after handling.

Wear protective gloves /protective clothing /eye protection /face protection, when it needs.

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

Do not use in any other purposes.

Response : In case of fire, use carbon dioxide/powder/foams for extinction.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
Get medical advice/attention if you feel unwell.

IF EXPOSED OR CONCERNED: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists, get medical advice/attention.

IF ON SKIN (or hair, or cloth):

Wash with plenty of soap and water.

Take off contaminated clothing and exchange it, and wash it before reuse.

If skin irritation occurs, get medical advice/attention.

IF SWALLOWED: Get medical advice/attention immediately.

Do not induce vomiting.

Storage : Protect from sunlight. Do not expose to temperatures exceeding 40°C .

Keep container tightly closed.

Store container in a well-ventilated place. Keep cool.

Store locked up. Keep out of reach of children.

Disposal : Dispose of contents/container to authorized industrial waste handling agent
in accordance with local/regional/national/international regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single substance or mixture : Mixture

Components :

	Ingredient	Contain (wt%)	CAS No. (*)	Chemical formula	2008 PRTR Law ; substance No.	2021 PRTR Law ; substance No.
1	Content liquid	Modified Acrylic Resin	1 - 5	None	-	Not applicable
2		Toluene	23	108-88-3	C ₆ H ₅ CH ₃	Class 1 ; 300 Control Number 300 Class 1 ; 347
3		Isopropyl alcohol	5 - 10	67-63-0	CH ₃ CH(OH)CH ₃	Not applicable
4		Ethyl acetate	5 - 10	141-78-6	C ₄ H ₈ O ₂	Not applicable
5		Acetone	1 - 5	67-64-1	C ₃ H ₆ O	Not applicable
6		Butyl acetate	1 - 5	123-86-4	C ₈ H ₁₂ O ₂	Not applicable
7		1-Butanol	0.1 - 1.0	71-36-3	C ₄ H ₉ OH	Not applicable
8		Methanol	1 - 5	67-56-1	CH ₃ OH	Not applicable
9		Diacetone alcohol	1 - 5	123-42-2	C ₆ H ₁₂ O ₂	Not applicable
10	Aerosol propellant	Dimethyl ether (DME)	40 - 50	115-10-6	C ₂ H ₆ O	Not applicable

(*) CAS No. : Chemical Abstracts Service Registry Number

4. FIRST-AID MEASURES

- Inhalation
- If disorder occurs for inhalation of vapor or gas, remove to fresh air and keep at rest in a position comfortable for breathing.
 - Do the artificial respiration in case of breathing's being irregular or stopping.
 - If you feel unwell, get medical advice/attention.
- Skin Contact
- Wash with plenty of soap and water. Do not use thinner or solvent.
 - Take off contaminated clothing and exchange it, and wash before reuse it.
 - Wipe quickly clinging matter with clean cloth.
 - If skin irritation occurs, get medical advice/attention.
- Eye Contact
- Rinse cautiously with a large amount of running water for several minutes.
 - If wearing contact lenses that can be removed easily, remove the contact lenses. Continue rinsing.
 - If eye irritation persists, get medical advice/attention.
- Ingestion
- Rinse mouth immediately with water.
 - Immediately get medical advice/attention.
 - Avoid forcing to vomit, so it is volatile. Do not swallow vomit.
- Most important symptoms and effects, both acute and delayed
- Inhalation - stimulation to Respiratory system, cough, shortness of breath, dizziness, drowsiness, headache
 - Ingestion - stimulation to the stomach and intestines, nausea, vomit, diarrhea cough, dizziness, drowsiness, headache
 - Skin Contact - stimulation to skin, removal of fat, stimulation to eyes, skin reddening, pain
 - Excessive exposure - Narcotic effects, headache, dizziness, narrowing of visual field, nausea, diarrhea, loss of consciousness
- Protection for first-aides
- Be careful about fire. Ensure adequate ventilation
 - Wear protective gloves and eye/face protection when it needs.
 - Put on chemical cartridge respirator for an organic vapor when it's possible.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Dry chemical, Carbon dioxide, Alcohol resistant foam, Dry sand
- Unsuitable extinguishing media : Straight stream water
- If a fire may spread conversely by water spray, use suitable extinguishing media
- Specific hazards :
- There is danger of intense fire, if they expose to heat, a spark or fire.
 - Liquid and vapor are extremely flammable.

- Aerosol container may burst when heated.
- Combustion may cause to generate irritant, toxic or erosive gas.

Specific extinguishing method :

- Perform extinguishing work from the windward.
- Remove combustibles quickly from the surrounding area.
- Move container from fire area, if it can be done without risk.
- If it is non-transferable, sprinkle the container and the circle with water and cool down.
- Cool the fire-exposed container with plenty of water after fire extinction.

Special protective equipment and precautions for fire-fighters :

- Wear respiratory-protective-equipment, chemical-defense clothes as occasion demands.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measure

- Wear proper protective equipment (gloves, respirator, safety goggles, apron, etc.).
- In the case of indoor, ensure good ventilation.
- In the case of outdoor, work at a windward location.
- In case of a leak (blowout), turn the leaking part of the container toward a safe direction in consideration of people, fire, environment, etc., and gas should be completely blown out before treatment.
- Immediately isolate the crowd from the suitable range of all directions from a leak spot, do not admit unrelated person.
- Immediately remove all ignition sources and flammable substances. (smoking, fireworks, and naked flames in the vicinity are prohibited)
- Prepare extinguishers before catching fire

Environmental precautions

- Prevent outflow into drainage ditches, sewers, rivers. Do not release to the environment.
- Collect spilled material in suitable closed containers, and move them to a safe location.
- Follow the relevant laws and local government standards for waste disposal or recovery.
- When collecting spilled material, use only non-sparking tools.
- For small scale leakage, use absorbent (dry sand, clay, etc.) to remove most of the spill.
- For large scale leakage, build bank around the spill, lead the liquid to a safer place for recovery, and recover in a sealable container.

7. HANDLING AND STORAGE

Handling: Technical measure

- Keep away from ignition sources such as heat/sparks/open flames/hot surfaces. – No smoking.
- Do not spray on an open flame or other ignition source.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Provide local exhaust ventilation and general ventilation system.

Handling: Notice

- Do not handle until all safety precautions have been read and understood.
- Use only outdoors or in a well-ventilated area.
- Avoid breathing vapors/mist/spray.
- Avoid inhalation, swallowing and contact with eyes, skin and clothing.
- Take off contaminated clothing and exchange it, and wash it before reuse.
- When in working, wear suitable gloves, eye/face protection, work clothing, shoes.
- Do not eat, drink or smoke when using this product.
- After handling, wash hands with soap water.
- Do not release to the environment.
- Avoid contact with strong oxidizing

Storage: Storing conditions

- Keep away from ignition sources such as heat/sparks/open flame.
- Keep container tightly closed. Store container in a well-ventilated cool place.
- Avoid direct sunlight and fire. Lock the storage location. Keep out of reach of children.
- Keep away from combustibles (woods, papers, Fibers, etc.).

Storage: Container and packing materials

- Use containers which are prescribed in Fire Laws and UN transport regulations.
- Use the sealed container without breakage, corrosion and leakage.

Please observe the following precautions for use, so this aerosol product contain flammable liquids and flammable high pressure gas (DME).

- Do not use near the open flame or fire.
- Do not use large amounts of it in the presence of naked flames.
- So there is a fear of explosion when it becomes hot, do not store in a place above 40°C, such as a place in direct sunlight or near the fire.
- Do not put it in the flame.
- Throw it away after using up the contents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values :

	Ingredient	Control concentration (ppm)	Allowable concentration (ppm)	
			JAIH ^{(*)2} -recommended value	ACGIH ^{(*)3} (TLV ^{(*)4} -TWA ^{(*)5})
2	Content liquid	Toluene	20	50
3		Isopropyl alcohol	200	400
4		Ethyl acetate	200	200
5		Acetone	500	200
6		Butyl acetate	150	100
7		1-Butanol	25	50
8		Methanol	200	200
9		Diacetone alcohol	Specifications not provided	Specifications not provided
10	Aerosol propellant	Dimethyl ether (DME)	Specifications not provided	Specifications not provided

(*)2 JAIH = Japan Association on Industrial Health

(*)3 ACGIH: American Conference of Governmental Industrial Hygienists

(*)4 TLV: Threshold Limit Value

(*)5 TWA: Time Weighted Average

- Equipment
- Set up facilities to keep airtight a emission source of organic solvent, or set up local ventilation systems.
 - When handling flammable liquid, there needs explosion-proof type ventilation systems.

Protectors

Respiration and Ventilation

- Wear suitable chemical-cartridge respirator.
- In an enclosed area, wear air-supplied respirator.

Hands

- Wear suitable gloves impervious to organic solvent and chemical.

Eye

- Wear suitable safety goggles.

Skin or Body

- Wear suitable clothing and avoid skin contact.

It is desirable to be the clothing of chemicals-resistant and impervious.

Hygiene management

- Don't eat, drink or smoke when using this product.
- Wash hands with soap after use.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

	Content liquid	Aerosol propellant (DME)
Appearance	Liquid	Gas : at atmospheric pressure Liquid : in aerosol container
Color	Clear light yellow	Colourless
Odor	Odor of solvents	Unique sweet smell
Melting point	No data	-138.5 °C : Chapman (ver.16.1, 2008)
Boiling Point	56 - 168 °C	-24.8 °C : Lide (88th, 2008)
Flammability	Flammable	Flammable
Explosion Limit	1.27 vol% minimum limit 36.5 vol% maximum limit	3.4~27 vol% : NFPA (13th, 2000)
Flash Point	-2 °C (Tagliabue(Tag)Closed cup)	-42 °C : HSDB (2008)
Ignition Point	app. 400 °C	350 °C : NFPA (13th, 2006)
Decomposition point	No data	No data
PH	Not applicable	Not applicable
Kinematic viscosity	No data	No data
Solubility	Insoluble in water Soluble in some organic solvent	36 wt% (20 °C, 4.8 bar) in water : Ullmanns (6th, 2003)
n-Octanol/water partition coefficient data	No data	logP = 0.10 : HSDB (2008)
Vapor pressure	No data	4450 mHg (at 25 °C) : HSDB (2008)
Density	0.82 (at 20 °C)	0.661 (Air = 1) : Sax (11th, 2004)
Relative vapor density (Air=1)	No data	1.6 (Air = 1) : HSDB (2008)
Particle characteristics	No data	No data

10. STABILITY AND REACTIVITY

Reactivity	• No information
Stability	• Stable under normal conditions of use • May generate static electricity by agitation or flowing • At temperatures above 40 °C, the aerosol container may burst.
Hazardous Reaction	• May react with strong oxidizing compounds, strong acids and strong bases
Conditions to avoid	• Heating, High temperature, Ignition by heating, sparks or fire
Incompatible materials	• Oxidizing compound, Strong acid, Strong bases
Product Decomposition/Dangerous Substance Generation	• Carbon monoxide or Carbon dioxide is generated by hydrolysis or combustion.

11. TOXICOLOGICAL INFORMATION

Toxicity of this product : No information

GHS classification of each ingredient in this product : National Institute of Technology and Evaluation (nite)

No.	Ingredient	Acute toxicity (Oral)	Acute toxicity (Skin)	Acute toxicity (Inhalation : Gas)	Acute toxicity (Inhalation : Vapor)	Acute toxicity (Inhalation : Dust)	Acute toxicity (inhalation : Mist)
2	Toluene	Not classified	Not classified	Not classified	Category 4	Not classified	Classification not possible
3	Isopropyl alcohol	Not classified	Not classified	Not classified	Not classified	Not classified	Classification not possible
4	Ethyl acetate	Not classified	Not classified	Not classified	Category 4	Not classified	Classification not possible
5	Acetone	Not classified	Not classified	Not classified	Not classified	Not classified	Classification not possible
6	Butyl acetate	Not classified	Not classified	Not classified	Classification not possible	Not classified	Classification not possible
7	1-Butanol	Not classified	Not classified	Not classified	Classification not possible	Not classified	Not classified
8	Methanol	Category 4	Not classified	Not classified	Not classified	Not classified	Classification not possible
9	Diacetone alcohol	Not classified	Not classified	Not classified	Classification not possible	Not classified	Classification not possible
10	Dimethyl ether (DME)	Classification not possible	Classification not possible	Not classified	Not classified	Not classified	Not classified

No.	Ingredient	Skin corrosion / Irritation	Serious eye damages / Eye irritation	Respiratory sensitization	Skin sensitization	Germ cell mutagenicity	Carcinogenicity
2	Toluene	Category 2	Category 2B	Classification not possible	Not classified	Not classified	Classification not possible
3	Isopropyl alcohol	Not classified	Category 2	Classification not possible	Classification not possible	Classification not possible	Classification not possible
4	Ethyl acetate	Not classified	Category 2B	Classification not possible	Not classified	Not classified	Classification not possible
5	Acetone	Not classified	Category 2B	Classification not possible	Not classified	Classification not possible	Classification not possible
6	Butyl acetate	Not classified	Category 2B	Classification not possible	Classification not possible	Classification not possible	Classification not possible
7	1-Butanol	Category 2	Category 2A	Classification not possible	Classification not possible	Classification not possible	Classification not possible
8	Methanol	Classification not possible	Category 2	Classification not possible	Not classified	Not classified	Classification not possible
9	Diacetone alcohol	Category 2	Category 2A	Classification not possible	Classification not possible	Classification not possible	Classification not possible
10	Dimethyl ether (DME)	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible

No.	Ingredient	Reproductive toxicity	Specific target organ toxicity : single exposure	Specific target organ toxicity : repeated exposure	Aspiration hazard
2	Toluene	Category 1A Additional Category *	Category 1 Central nervous system Category 3 Respiratory tract irritation, Narcotic effects	Category 1 Central nervous system, Kidney	Category 1
3	Isopropyl alcohol	Category 2	Category 1 Central nervous system, Systemic toxicity Category 3 Respiratory tract irritation	Category 1 Blood system Category 2 Respiratory system, Liver, Spleen	Classification not possible
4	Ethyl acetate	Classification not possible	Category 3 Respiratory tract irritation, Narcotic effects	Classification not possible	Classification not possible
5	Acetone	Category 2	Category 3 Respiratory tract irritation, Narcotic effects	Category 1 Central nervous system, Respiratory system, Gastrointestinal tract	Classification not possible
6	Butyl acetate	Classification not possible	Category 3 Respiratory tract irritation, Narcotic effects	Classification not possible	Classification not possible
7	1-Butanol	Classification not possible	Category 3 Respiratory tract irritation, Narcotic effects	Category 1 Central nervous system, Auditory organ	Classification not possible
8	Methanol	Category 1B	Category 1 Central nervous system, Visual organ, Systemic toxicity Category 3 Narcotic effects	Category 1 Central nervous system, Visual organ	Classification not possible
9	Diacetone alcohol	Category 2	Category 2 Blood system, Liver Category 3 Respiratory tract irritation, Narcotic effects	Classification not possible	Classification not possible
10	Dimethyl ether (DME)	Classification not possible	Category 3 Narcotic effects	Classification not possible	Classification not possible

* Additional Category : Effects on or via lactation

1 2. ECOLOGICAL INFORMATION

Ecological information of this product : No information

- Ecotoxicity except for aquatic environmental toxicity : No information
- Persistence and Degradability : No information
- Bioaccumulation : No information
- Movement in soil : No information

GHS classification of each ingredient in this product : National Institute of Technology and Evaluation (nite)

No.	Ingredient	Hazardous to the aquatic environment (Acute)	Hazardous to the aquatic environment (Chronic)	Hazardous to the ozone layer
2	Toluene	Category 2	Category 3	Classification not possible
3	Isopropyl alcohol	Not classified	Not classified	Classification not possible
4	Ethyl acetate	Not classified	Not classified	Classification not possible
5	Acetone	Not classified	Not classified	-
6	Butyl acetate	Category 3	Not classified	Classification not possible
7	1-Butanol	Not classified	Not classified	Classification not possible
8	Methanol	Not classified	Not classified	Classification not possible
9	Diacetone alcohol	Not classified	Not classified	Classification not possible
10	Dimethyl ether (DME)	Not classified	Not classified	-

1 3. DISPOSAL CONSIDERATIONS

- Waste from residues :
 • Entrust the disposal to an industrial waste treatment firm approved by a local governor, or to a local public corporation if any.
 • Follow the relevant laws and local government standards for waste disposal.
 • Do not dispose of waste water into the ground and drainage ditch without treatment, after cleaning container, equipment, tool, etc.
- Container and Package :
 • Either clean and recycle the containers, or dispose of them suitably according to the relevant laws and regulations, and local government standards.
 • Remove contents completely in case of disposal of empty container.

1 4. TRANSPORT INFORMATION

UN Class : Class 2.1 (FLAMMBLE GAS)
 UN No. : 1950
 Proper shipping name : AEROSOLS
 Packing Group : -
 Guideline number : 126

International restriction

Marine transportation : Follow the IMO information
 Marine Pollutant : Not applicable
 Aviation transportation : Follow the ICAO/IATA information

Domestic restriction

Land transportation

- Follow the mode of transportation as provided in the Fire Service Law, Industrial Safety and Health Act, Poisonous and Deleterious Substances Control Act, and High Pressure Gas Safety Act (Aerosol), etc.

Marine transportation

- Follow the transporting way to be specified in the Ship Safety Law.
 " AEROSOLS (maximum 1 litre) ", " Class 2.1 (FLAMMBLE GAS) "

Aviation transportation

- Follow the transporting way to be specified in the Aviation Law.
 " AEROSOLS, flammable ", " Class 2.1 (FLAMMBLE GAS) "

Special safety measurements

- While transporting, yellow card must be equipped.
- Prior to transport, check the container and loading to avoid breakage and leakage due to falling or overturning, in accordance with regulations.
- When transporting, protect from direct sunlight and take on cargo without breakage of container, corrosion and leakage.
- Make sure to prevent collapse of cargo piles.
- Do not transport with foods and animal feeding stuffs.
- Do not put on upper load of heavy goods.

1 5. JAPANESE REGULATORY INFORMATION

- Fire Laws : Hazardous Substance Class 4, Group 1 oil (water non-soluble liquid), Hazard Class II
- Industrial Safety and Health Law:
 - Enforcement Ordinance: Article 18 : Harmful substance to be notified their names
< Toluene, Isopropyl alcohol, Ethyl acetate, Acetone, Butyl acetate, 1-Butanol, Methanol, Diacetone alcohol >
 - Enforcement Ordinance: Article 18-2 : Harmful substance to be indicated their names
< Toluene, Isopropyl alcohol, Ethyl acetate, Acetone, Butyl acetate, 1-Butanol, Methanol, Diacetone alcohol >
 - Enforcement Ordinance: Article 6 : Dangerous goods, Flammable liquid
 - Organic Solvent Regulations : Class 2 organic solvents
 - Ordinance on Prevention of Hazards Due to Specified Chemical Substances : Not available at the present time
- PRTR Act : Class 1 Specified Chemical Substance (until March 31, 2023) : Class 1, 300 < Toluene >
- PRTR Act : Class 1 Specified Chemical Substance (as from April 1, 2023) : Control Number 300
Class 1, 347 < Toluene >
- Poisonous and Deleterious Substances Control Act : Not available
- High Pressure Gas Safety Act : Not applicable (Aerosol)
- Offensive Odor Control Act : Article 1 < Toluene, Ethyl acetate >
- Air Pollution Control Law :
 - (Specific substances) < Methanol >
 - (Hazardous air pollutants) < Toluene (substances requiring priority action) >
 - (Volatile Organic Compounds) < Toluene, Isopropyl alcohol, Ethyl acetate, Acetone, Butyl acetate, 1-Butanol, Methanol >
- Water Pollution Control Law (Measures in Cases of Accidents) :
 - (Designated substances) < Toluene, Ethyl acetate >
- Sea Pollution Prevention Act :
 - (Noxious liquid substances of Class Y) < Toluene, Butyl acetate, Methanol >
 - (Noxious liquid substances of Class Z) < Isopropyl alcohol, Ethyl acetate, Acetone, 1-Butanol >

1 6. OTHER INFORMATION

- References :
- YOZAI Pocket Book edited by Association of Organic Substance Synthesis : Ohm Inc., 1997
 - Japan Paint Manufacturers Association:
 - Raw material data base
 - The guide book for the creating SDS and Label revised 4th edition [mixture (paint)]
 - National Institute of Technology and Evaluation (nite)
 - Laws and regulations handbook of chemical substances : The Chemical Daily Co., Ltd., 2021
 - SDS of each raw material

Remarks

The description in this SDS may be revised by new knowledge, new information, new test results, or amendments of laws and regulations.

The description in this SDS are based on the current available information and data, etc.

Please be mentioned that we do not provide any warranty about the accuracy or suitability thereof for any particular applications.

All chemical products may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

In addition, the precautions described herein apply only to normal uses, and thus safety cannot be guaranteed.

When handling the product in a specialized manner, take the appropriate safety measures for the application or method.

This is a translation of original Safety Data Sheet prepared in Japanese.