

MATERIAL SAFETY DATA SHEET

Section 1: Identity and Manufacturer's Information

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Section 2: Product Identification

Product Name : KIHADAICHIBAN
MSDS Number : C-004
Date of Prepared : 2008/06/13
Classification of a single product and a mixture : Mixture
General Name : Silicone solution
An ingredient and a content : POLYALKYLFLUORORESIN, POLYALKOXYSILOXANE, HYDROCARBON SOLVENT, ISOPROPANOL WHITE SPIRIT
CAS No. : 64742-48-9 (HYDROCARBON SOLVENT) 64742-82-1 (WHITE SPIRIT) 67-63-0 (ISOPROPANOL)
The U.N. classification and the U.N. number : Class-3: 1123 (HYDROCARBON SOLVENT) Class-3: 1993 (ISOPROPANOL) Class-3: 1263 (WHITE SPIRIT)

Section 3: Hazardous Ingredients

The name of a classification : An inflammable liquid. Acute toxicity substance
Danger : Ignition and explosion are dangerous.
Detrimental nature : Damage may be healthily done by suction of aerosol mist and solvent smell. There is a possibility of causing organic-solvent poisoning. This product reacts with water and acid, and an alkali compound (hydrolysis), and generates the following compounds. (Methanol)
When an eye and membrane are touched: Those with the possibility which shows irritation.
When it inhales : Those with the possibility which shows irritation in a respiratory-organs system. Comparatively low level toxicity.
When the skin is touched: Those with the possibility which shows irritation.
Ecology influence : Toxicity is in an aquatic life living thing.

Section 4: First-Aid Measure

When it goes into an eye : It washes 15 minutes or more with a lot of pure running water immediately.
When it adheres to the skin : After wiping off with the dry cloth so on the part which touched is flushed with a lot of soapsuds.
When it drinks : The thing which remained into the mouth is removed and gives a lot of water or milk. When a victim does not have consciousness, don't give anything from a mouth.
When it inhales : It gargles with a lot of water.

Section 5: Fire-Fighting Measure

The fire-extinguishing method :	• This product is an inflammable liquid.
	• A watch zone is set up.
	• A suitable protection implement (heat-resistant clothes) is worn.
	• An inflammable thing is quickly removed from the circumference.
	• Fire-extinguishing activities are performed from the windward.
	• The fire is extinguished using a fire-extinguishing agent.
Fire-extinguishing agent : Powder, carbon dioxide, an alcoholic [-proof] bubble	• Moving a container immediately in a safe place in case of a surrounding fire, an impossible place is watering cooling therefore, a temperature rise of a container is prevented.

Section 6: Accidental Release Measure

• The circumference is surrounded with a rope etc. And entry of people is forbidden.
• In an indoor case, it ventilates enough.
• The thing used as the neighboring source of ignition is removed promptly.
In the case of work, a suitable protection implement (rubber or a vinyl glove, a protection mask, an apron, goggles) is worn.
• When influence may be done to a citizen, a related government office and a supplier are contacted.
• When the leakage is little, after making a towel etc. absorb, in being abundant in a container, in it, the surroundings are enclosed with sand, the ground, etc., and it prevents an outflow in it, and collects as much as possible in it.
• It flows into a sewer, river ocean space, etc. and bends and needs - it is careful
• The rule of an area is followed when it reveals underwater.

Section 7: Handling and Storage

Handling:

- During handling work, it is fire strict prohibition.
- It is dealt with in a well ventilated place.
- In the bad place of ventilation, prepare sufficient partial exhaust, and work, wearing a suitable protection implement (rubber or a vinyl glove, a protection mask, an apron, goggles, rubber boot shoes).
- DO NOT SPRAY.
- The measure against static electricity is implemented.
- After work should make restroom, gargling.

Storage:

- Direct rays are intercepted, sealed and kept in normal temperature.
- Fire strict prohibition.
- A storage container covers and keeps it in an airy cool place.
- Keep out of reach of children.

Section 8: Exposure Prevention Equipment

Management concentration :	200ppm (Labor security and hygiene law) (Methanol)
	200ppm (HYDROCARBON SOLVENT)
	400ppm (ISOPROPANOL)
	TLV-TWA(skin):200ppm (Japan Society for Occupational Health) (Methanol)
	TLV-TWA(skin):200ppm (AGCIH) (ISOPROPANOL)
	TLV-TWA(skin):890ppm (AGCIH) (WHITE SPIRIT)

- The partial exhaust is prepared.
- eye-washing equipment and a safe shower are prepared
- Protection of an eye: Wear protection glasses.
- Protection of the skin: :Wear the glove of a material with which the organic solvent-proof or chemicals does not permeate.
- Protection of a respiratory-organs system: Wear the gas mask for organic solvents.
A ventilation mask is worn in the sealed place.

Section 9: Physical / Chemical Characteristics

Appearance/state : Clear transparent volatility liquid.
Specific gravity (density) : 0.8(25°C)
Solubility : It is not mixed with water.

Section 10: Stability and Reactivity

Flash point : 13°C above
Inflammability : There is an inflammability.
Explosion limit : Un-measuring
Oxidizing quality : It does not correspond.
Ignition point : Un-measuring
Stability, reactivity : Stable in the usual handling.

Section 11: Toxicological Information

A skin corrosive : With no knowledge.

Eye stimulation :	Stimulation may be shown.
	Skin stimulus : 20mg/24hr Stimulative [Middle] (Rabbit) (As Methanol : Decomposition nature ingredient)
	Eye stimulus : 100mg/24hr Stimulative [Middle] (Rabbit) (As Methanol : Decomposition nature ingredient)
Acute toxicity :	LD50 : 5628mg/Kg (Rat) (As Methanol : Decomposition nature ingredient)
	LC50 : 64000ppm(Rat) (As Methanol : Decomposition nature ingredient)
Chronic toxicity :	•Those with a possibility of causing conjunctivitis, headache, giddiness, insomnia, digestive trouble, and an eyesight obstacle. (As Methanol : Decomposition nature ingredient)

Aerosol mist and the smell of a solvent may do damage healthily.

Section 12: Ecological Information

- Since there is a possibility of affecting environment, in the cases, such as disclosure and abandonment, be careful of handling.
- Cope with it so that especially a product and washing water flow directly neither to the ground, a river nor a drain.
- Decomposition nature : With no data.
- Accumulation nature : With no data.
- Aquatic life living thing toxicity : With no data.
- Do not pass with a river, a sewer, etc.

Section 13: Disposal Consideration

- Wastes, such as an abolition paint and a container, process by carrying out the industrial waste treatment company and consignment contract which obtained permission.
- The drainage which washed a container, apparatus equipment, etc. is passed as it is neither to the ground nor a drain.
- Waste generated by drainage processing, incineration, etc. is also processed according to the law with which processing of waste and cleaning are related, and a related regulation, or it commissions.

Section 14: Transport Information

- Common matter :
- Fire strict prohibition
 - On the occasion of conveyance, it confirms that there is no leak in a container, it loads so that there may not be a fall and fall damage, and prevention of collapse of cargo piles is ensured.
 - The publication of notes on handling and storage is followed.
 - When it corresponds to Fire Service Law, labor security and hygiene law, and a poison highly poisonous substance method, the transportation method set to each applicable law is followed.
 - Fire and direct rays are avoided.
 - Fire Service Law It applies to the first oil of the 4th kind. (Japanese law)
- Marine transportation : The place set to Law for Safety of Vessels is followed.
- Air transportation : The place set to the Aviation Act is followed.
- The U.N. classification and the U.N. number : Class-3:3295 (HYDROCARBON SOLVENT) Class-3:1993 (ISOPROPANOL)
Class-3:1263 (WHITE SPIRIT)

Packing Group: III
HS Code:3824.90-0004

Section 15: Regulatory Information

- Fire Service Law : An inflammable liquid. It applies to the alcohol of the 4th kind. (Japanese law)
- PRTR : It does not correspond.
- Labor security and hygiene law : Quality of the notice subject of a safe health method (0~10%) (HYDROCARBON SOLVENT)
(ISOPROPANOL) (WHITE SPIRIT)
- An organic rule : Organic-solvent poisoning prevention rule The 2nd sort
- Law for Safety of Vessels : Inflammable liquids: Middle flash point inflammability liquid
- Aviation law : Inflammable liquids
- Wastes Disposal and Public Cleaning Law : It is management industrial waste specially. Waste oil

Section 16: Other Information

- The reference of written contents : Up to a guarantee-of-quality room
- Based on the information acquired at present, about the danger detrimental nature of a product, since the above information is not enough, mind.
- Especially in special handling, notes need consideration for the usual handling.
- Values, such as a content and physical character, should be reference values among written contents, and since it is not a guarantee value, mind.