

# MATERIAL SAFETY DATA SHEET

## Section 1: Identity and Manufacturer's Information

Manufacturer's Name	Miyaki Co., Ltd.		
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## Section 2: Product Identification

Product Name : <b>NEWTON</b>
MSDS Number : C-011
Date of Prepared : 10/03/2007
Classification of a single product and a mixture : Mixture
General Name : Silicone solution
An ingredient and a content : POLYALKYLALKOXYSILOXANE, POLYALKYLSILOXANE, CYCLIC POLYALKYLSILOXANE, DIALKYL TIN COMPOUND, SILANE COUPLING AGENT, ANTISEPTICS, ETHANOL (14%)
CAS No. : 64-17-5 (ETHANOL)
The U.N. classification and the U.N. number : Class-3.2:1170 (ETHANOL)

## 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. Seek medical treatment.
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 :	<ul style="list-style-type: none"><li>• This product is an inflammable liquid.</li><li>• A watch zone is set up.</li><li>• A suitable protection implement (heat-resistant clothes) is worn.</li><li>• An inflammable thing is quickly removed from the circumference.</li><li>• Fire-extinguishing activities are performed from the windward.</li><li>• The fire is extinguished using a fire-extinguishing agent.</li><li>• 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.</li></ul>
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Fire-extinguishing agent : Powder, carbon dioxide, an alcoholic [-proof] bubble

## 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 : TLV-TWA(skin):1000ppm (AGCIH) (ethanol)

- 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) : 0.95(25°C)

Odor: Solvent-like smell

Boiling Point: 78.5°C(Ethanol)

Vapor Pressure: 44mmHg/20°C(Ethanol)

Solubility : It is not mixed with water.

## Section 10: Stability and Reactivity

Flash point : 16°C above

Auto Ignition Temperature: 371~427°C(Ethanol)

Flammability Limits in Air % by Volume : UEL 19% LEL 3.5%(Ethanol)

Explosion limit : Un-measuring

Oxidization Property : non- oxidative

Ignition point : non-ignitable

Stability, reactivity : Stable in the usual handling.

## Section 11: Toxicological Information

A skin corrosive : With no knowledge.

Eye stimulation : Stimulation may be shown.

Acute toxicity : LC50 : 20,000ppm/10H (Rat) (Ethanol)

LD50 : 7,500mg/kg(mus) (Ethanol)

Chronic toxicity : No data

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-3.2:1170 (Ethanol)

Packing Group: II

## 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 (10~20%) (Ethanol)

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.