MATERIAL SAFETY DATA SHEET

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Product: MZ100139EX

Product name: SHUMMA ENGINE CONDITIONER

File No.: 605-0957 UN No.: 1950

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Ingredients		Content (Wt%)	CAS No.
Petroleum	;	35 or less	64742-94-5/64742-88-7
Ethylene Glycol Monoethyl Ether	;	5 or less	110-80-5
Ethylene Glycol Monobutyl Ether	:	10 or less	111-76-2
Oleic Acid	:	7 or less	112-80-1
N,N-Dimetyl Amino Ethanol	:	2 or less	108-01-0
Coconut Fatty Acid Diethanolamide (1:2)	:	3 or less	68440-04-0
POE (10) Nonylphenyl Ether (Polyoxyethylene Nonylphenyl Ether)	:	3.5 or less	9016-45-9
Fluoric Compound	:	Small amount	
1,2,3-Benzotriazole	:	Small amount	95-14-7
Disodium Ethylenediaminetetraacetate	:	Small amount	6381-92-6
Refined Water	:	20 or more	_
Aqueous Ammonia	:	5 or less	1336-21-6
Propane	:	15 or less	74-98-6

Hazard and Toxicity

Category: Ignitable liquid, flammable high pressure gas

Hazard

Composed of ignitable liquid and gas, the explosive mixture

is formed, and it may explode at a high temperature.

Toxicity

Irritative to the skin and eyes.

Long-sustained or repeated contact may cause the skin

trouble.

Environmental impact

No related data available.

First Aid

Eye contact

Flush eyes with water for at least 15 minutes, and consult a

doctor.

Skin contact

Take off contaminated clothing, shoes, etc. and wash skin

with water and soap well. Consult a doctor, if necessary.

Inhalation

Remove victim to fresh air and rest. In case of any

disorder, such as malaise or difficult breathing, immediate

doctor's diagnosis is required.

Ingestion

Forced vomiting must be avoided. Consult a doctor.

Action in Case of Fire

Fire extinguisher

Dry chemical, CO2, foam or dry sand

Fire fighting

Shoot or spray a dry chemical, CO2 on the flame - from the

windward side at an enough distance from the fire as the

product is a highly explosive aerosol.

Shutting off the air with foam or dry sand or cooling the flame-exposed surface with atomized water is also

effective.

Wear appropriate protectors without fail. Cool heated product with sprayed water. In case of a neighboring fire,

remove the product to safety immediately.

Action in Case of Spill

Remove all flames, sparks and heat sources in the neighborhood.

In case of indoor spillage, ventilate well.

Absorb the spill with waste cloth or sand and place in and empty container.

Wear appropriate protectors (gloves, respirator, goggles, etc.) to protect the skin from spilt liquid and prevent gas inhalation.

Handling and Storage Precautions

Handling : Do not use the product near a fire or an open flame.

Avoid heavy use indoors where an open flame is used.

Do not throw away the container into a fire.

Do not discard the container until it is completely emptied.

Observe precautions stated on the container.

Storage : Since the product may explode at a high temperature, keep

it away from the sunshine, open flames or where the

temperature can be exceeded 40°C.

Do not store the product near water or in any moist place.

Protection

Protective equipment : When the product is heavily used indoors, install a

ventilator (explosion-proof) to let fresh air in the room.

Protectors : Respirator, goggles, oil-proof gloves and static-free

clothing.

Physical and Chemical Properties

Appearance : Yellow transparent liquid

Boiling point : N/A

Vapor pressure (25°C) : 0.50 MPa

Volatility : N/A

Melting point : N/A

Specific gravity (25°C) : 0.94 (Undiluted solution)

Solubility in water : N/A

Flash point : N/A

Explosion limit : Upper limit 2.2% (spray medium)

Lower limit 9.5% (spray medium)

Self-reactivity/explosiveness : Easy to make explosive mixed gas

Dust explosiveness : N/A

Flammability : Flammable

Disposal Precautions

Small quantity:

: Press the button to discharge the gas until the hissing

sound can no longer be heard.

Large quantity

Under contract, entrust disposal to a licensed waste

disposal operator.

Others

This data sheet contains latest data of the safe handling of the product in ordinary use but is not perfect. It is subject to revision, such as addition of new data or updating. Before the product is mixed with any other product or used under any special conditions, it should undertake safety evaluations. The data in this sheet are not guaranteed.