

Material Safety Data Sheet

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MSDS (Code. No.) No. J16151

Product name WASHING SOLUTION

[Material identification]

Substrate/Mixture : Mixture
Composition and contents : 1) Proteolytic enzyme 5~15%
2) Nonionic surfactant 1~10%
3) Glycolic solvent 1~10%
4) Purified Water 70~85%

[Hazards identification]

Name of division : Not applicable to the classification criteria
Physical hazard : Incombustible, and not dangerous in common uses
Human health hazard : No data available yet
Environmental effects : No data available yet

[First aid measures]

If in eyes : If even a small amount of the product gets into eyes, immediatery wash affected eye by flushing a lot of water for 15 minutes or more.

Get medical treatment by an oculist.

If in skin : Wash the affected area with a lot of cold water, if you feel irritating, get doctor's cure.

If : Rinse inside the mouth with water sufficiently, and drink a lot of water.

Swallowed Never force the affected person to vomit.
Never give anything by mouth to victim who is unconscious.
Immediately get medical treatment.

[Fire fighting measures]

Fire fighting procedure : Noncombustible

In case of a fire around the containers containing the products : Move the containers to a safe place.
Try to extinguish the fire around the containers.

[Measures against leak]

- 1) Collect the leakage as much as possible.
(Scatter adsorbents, such as, sands and sawdust over the leakage and sweep them off.)
 - 2) If the leakage can't be recovered, discharge them into a pit by flushing with a lot of water.
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[Precautions in handling and storage]

Handling

- Wear proper personal protective device in order to avoid of the product with your eyes, skin, or clothes.
- Never swallow the product by mistake.
- After handling the product, wash your hands sufficiently.

Storage

- Do not handle the container so violently that they are rolled over, dropped or get impact.
- In the strage, lighten the stopper and avoid exposure to direct sunlight or hot materials.

[Exposure prevention measures]

Control concentration : Not specified

Allowable limit : Not specified

Preventive measures

Facility measures	:	Handle the product at a well-ventilated place.
Personal protective device	:	Protective goggles, Rubber gloves.

[Physical/Chemical properties]

Appearance	Light yellowish brown solution
Odor	Has a slight odor.
pH	7.1±1.0 (Undiluted solution)
Solubility	Dissolvable in water and hot water

[Hazard information]

Flash point	Dissolvable water and non-flammable
Stability	Stable under the normal storage condition
Reactivity	None

[Health hazard information]

Skin property	corrosive	It seemed to be slightly corrosive in spite of its pH value of about 7.1 (Undiluted solution.)
Skin property	irritating	It is considered to be slightly stimulative.
Eye property	irritating	It is considered to be stimulative.
Sensitizing effect		No data available yet
Mutagenicity		No data available yet
Sub-acute toxicity		No data available yet
Carcinogenic effect		No data available yet
Others		No data available yet

[Ecological information]

Biodegradability	No data available yet
Bio-accumulation	No data available yet
Ichthyotoxicity	No data available yet

[Cautions in disposal]

- Dilute the waste product with a large amount of water and dispose of it.
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[Cautions in transport]

- In transporting the product, check to see that no leakage from the container occurs.
- Load the containers so that they may not topple over, fall down, or be damaged, and take measures against collapse of the pile of the containers.
- Avoid direct sunlight.

IATA	Non-hazardous Materials (Triethanolamine): According to ICAO/IATA regulations. Acetate
UN No.	Not applicable
UN proper shipping name	Not applicable
Transport hazard class(es)	Not applicable
Packing group	Not applicable

[Regulatory information]

Law Concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances	Not applicable
Industrial Safety and Health Law, Clause 57, item 2, Substance to be informed	Not applicable
PRTR Law	Not applicable
Poisonous and Deleterious Substances Control Law	Not applicable
Fire service law (Dangerous substances)	Not applicable
Law for the Prevention of Marine Pollution (Marine Pollution substances)	Not applicable

[Others]

References, etc.: Guideline for preparation of Material Safety Data Sheet
(Japan Chemical Industry Association)

Note:

Although all the contents are on the reference material, information and data currently available, the correctness and completeness thereof are not guaranteed.

The precautions given herein are to ensure safety in case of normal handling of the products.

If some special handling is to be performed, provide additional precautions for safety according to the application and method.