

MATERIAL SAFETY DATA SHEET

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Product name : Meisanol PS-70 Conc

Product characterization

Distinction of single or mixture : Mixture

Chemical name : Solution of surfactant and others

| Component | Nonionic surfactant | Water and others |
|-----------|---------------------|------------------|
| Content | Secret | Secret |
| CAS No. | Listed | Listed |

Classification of hazards

Most important hazardous and dangerous.

- Hazards : Not specified description
- Toxicity to human : Weakly irritant to skin and eyes.
- Influence of environmental : No data

Specific hazardous and dangerous

- Criteria of chemical substance : Do not meet to classification criteria.
- Main symptoms : Irritant to skin and eyes

First aid measures

- After inhalation : Take affected person into fresh air, consult a doctor immediately.
- After contact with skin : Flush the contacted parts with water or lukewarm water and with soap.
- After contact with eyes : Wash eyes with running water for at least 15 minutes and consult a doctor . When washing eyes, open eyes widely with fingers and wash thoroughly.
- After swallowing : Give a lot of water or saline solution and induce vomiting and then consult a doctor immediately.
- Protection for persons who are first aiding : Wear adequate protectors stated in the clause of “Exposure controls”

to prevent contact with skin, mucous membrane and clothes and eyes.

Measures in the case of fire

- Extinguish agents : Water spray, powder, CO₂, Alcohol resistant foam, halide or dry sand are effective.
 - Extinguish method : Shut off ignition source and extinguish with extinguish agents.
 - : Removable containers should be moved to safe place quickly.
 - : In order to escape the fire spreading, cool the tank or building surrounding down with atomizing water.
 - Protection for persons who are fire fighting
 - : Wear respirator and adequate protectors stated in the clause of “Exposure controls”.
 - : Fire fighting should be done from windward and to avoid inhaling poisonous gas.
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Measures in the case of unintentional releases

- Precautions for workers
 - : Wear the adequate protectors stated in clause of “Exposure Controls” to prevent contact with skin, mucous membrane and clothes and eyes.
 - : In case of in-door, ventilate well until terminating of treatment.
 - : Keep off persons unconcerned surrounding area of releasing with roping
 - Precautions for environment
 - : Take care not to influence environment by effluence to the river etc.
 - : When diluting with copious amount of water, prevent contaminated water from flowing out into environment without adequate treatment.
 - Removing method
 - Recovery : In case of big quantity, prevent effluence by bags etc and recover into empty container after leading to safe place.
 - : In case of small quantity, absorb with dry sand, soil, saw dust or waste cloth and shovel into airtight container. Flush the rest with copious amount of water.
 - Method of waste : To be requested to the disposal treatment company registered by governor of prefecture.
 - Secondary disaster : By flowing out products to the river, take care not to influence environment.
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Precautions for handling and storage

Handling

Technical measures

- Exposure prevention for the operator
 - : Wear adequate protectors stated in the clause of “Exposure controls” to prevent contact with skin, mucous membrane and clothes and eyes.
 - : Equip shower and wash eyes where is near to the handling place for in case of emergency.
 - : Handling in well ventilated place.
 - : Outside handling should be done from windward.
 - : Cap air-tightly in every use.
 - : After handling, wash hands and face etc well and gargling.

Caution matters

- Partial ventilation
 - : In case of indoor handling, pay attention to ventilate partially enough.
- Whole ventilation
 - : In case of indoor handling, pay attention to ventilate whole enough.
- Caution on handling
 - : Do not make a rough handling to the container such as turning over, falling down, giving a shock and dragging etc.
- Materials not to be mixed or contacted
 - : There is no specific matter in the mentioned.

Storage

Technical policy on storage

- : Stand by to take a clause of “Measure in the case of unintentional release”, against releasing unintentionally.
- Adequate conditions for Storage
 - : Store at dark and cool place with airtight capped and avoiding from sun-light.

Material for packing

- Recommendable : Container which can be airtight capped.
 - Not recommendable : Container to be rust easily.
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Exposure prevention / protecting measure

Necessary Equipment

- : Handling at place where the equipment of whole ventilation is equipped.
- : Equip shower and wash basin for hands and eyes and where is near to the

handling place and indicate their location.

Control concentration :

| | Product |
|-------|-----------------|
| ACGIH | Not established |

Personal protection

- Protector for respirator : Being unnecessary especially, it is recommendable to wear easy mask.
- Protector for hand : Wear protective glove (rubber glove)
- Protector for eye : Put on the goggle type.
- Protector for body/skin : Use long sleeve working shirt and apron (rubber type).

Hygienic treatment : After operation, washing hands and face and gargling.

Physical / chemical properties

- Appearance : Pale yellowish transparent liquid
 - pH : 4.0 ~ 5.0 (as product)
 - Volatile ingredient : water
 - Flash point : None
 - Specific gravity : Approx. 1.0 (25°C)
 - Solubility : Easily soluble in water
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Stability / reactivity

- Stability : Stable at under normal handling.
 - Dangerous reaction / Materials not to be mixed or contacted : No special mention
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Information on toxicity

| | Product |
|----------------|---------|
| Acute toxicity | No data |
| Partial effect | No data |

Information on ecology

Information on the quality of water

- BOD Under measurement
 - COD Mn Under measurement
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Attention for the waste procedure

Chemical substance etc. : To be requested to the disposal treatment company registered by governor of prefecture.

Polluted container / Packing : To be requested to the disposal treatment company registered by governor of prefecture.

Notes for transportation

International regulation's information

UN Classification : Not classified in dangerous goods at United Nation's regulation.

Particular safety systems and conditions for transportation

: When transportation, ensure no damage, no corrosion, no leakage and no wetting and then to load without falling down, drop and damage and then to prevent from load shifting certainly.

The information described herein will be revised herein will be revised in accordance with new knowledge.

Although the information stated herein is based on our latest knowledge, they are not to be construed as guarantee of the completeness or correctness of the information. As there may be any toxicity in chemical product that are still unknown, it is necessary to handle with scrupulous care.

Fitness of this product should be decided by user's responsibility.

File this sheet in order for workers to read freely.
