

1. Identification of the substance/preparation and the company

TAIWAN SURFACTANT CORP.

8 Fl, No. 11, SEC. 1, CHUN SHAN NORTH ROAD, TAIPEI 104, TAIWAN. Telephone:
886-2-25410022

2. Composition/information on ingredients

Fatty ester derivatives weight: >90%

3. Hazards identification

Harmful if swallowed in large quantity.

Cause irritation to eyes.



WARNING

4. First-aid measures

Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

Skin contact: After contact with skin, wash with plenty of water.

Eye contact: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist) should be consulted immediately.

Upon swallowing: In case of swallowing drink plenty of water. If feel unwell, seek medical advice.

5. Fire-fighting measures

Extinguishing media: water mist, foam, dry powder, CO₂

6. Accidental release measures

Take up and fill into a closable container.

7. Handling and storage

Keep container tightly closed and store in a cool, dry well-ventilated location.

Keep away from any area where the fire hazard may be acute. Outside or detached storage is preferred.

Storage period : 12 months

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Date of issue: Sep. 23, 2015

8. Exposure controls/Personal protection

Avoid inhaling aerosols and vapours.

Avoid contact with eyes.

Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

9. Physical and chemical properties

tested in accordance with

Form:	solid
Colour:	yellowish
Odour:	original
Solidifying point:	56 - 61 °C
Boiling point:	--
Density:	--
Vapour pressure:	--
Viscosity:	--
Solubility in water:	soluble in water.
pH value(1%):	7 - 9
Flash point:	>100°C
Ignition temperature:	>250°C

10. Stability and reactivity Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities:

Heat, flame, strong oxidizers, strong acids.

Conditions to Avoid:

Heat, flames, ignition sources and incompatibles

11. Toxicological information

Acute oral toxicity(LD₅₀): >2000 mg/kg (Mice)

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Skin irritation: Not normally in short contact. Eye

Irritation: irritating to eye.

12. Ecological information

Biological elimination: 84%

Method: OECD 301

COD value: 2336 mg/g

BOD₅ value: 1962mg/g

Acute aquatic, fresh water fish (Brachydanio rerio): >100 mg/L (96 hours)

13. Disposal considerations

If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant

Soiled, empty containers are to be treated in the same way as the contents.

14. Transport information

Declaration for land shipment: Not classified as Dangerous goods.

Declaration for sea shipment: Not classified as Dangerous goods.

Declaration for shipment by air: Not classified as Dangerous goods.

Other information: Not dangerous cargo. Keep separated from foodstuffs.

15. Regulatory information

No labelling is required in accordance with the EEC directives.

Not subject to the German Regulation on Flammable Liquids (VbF).

16. Other information

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.