

# Safety Data Sheet

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## 1. Identification

**Trade Name:** ABLUSOFT NAK-P**Recommended use and restriction on use:** Industrial use 、 Textile auxiliary 、 Softener**Supplier's details**

Taiwan Surfactant Corp.

Head office:

8 Fl., No. 11, Sec. 1, Chung Shan North Road, Taipei, Taiwan

TEL: 886-2-25410022

Factory:

No. 514, Cheng-Kung Road, Sec. 1, Kwang-Inn Industrial Area, Taoyuan City, Taiwan

TEL: 886-3-4839421

**Emergency contact phone numbers / fax numbers:** 886-2-2541 0022 / 886-2-2542 3773

## 2. Hazard identification

**Chemicals hazard class:**

1. Serious eye damage / eye irritation, category 2B
2. Skin corrosion / irritation, category 2
3. Acute toxicity(oral), category 4

**Label elements:**

Signal word: WARNING

Hazard statements:

Harmful if swallowed.

Causes skin irritation.

Causes eye irritation.

Precaution statements:

If swallowed: Call a poison center/doctor if you feel unwell.

Wear protective gloves, and wash thoroughly after handling.

If on skin: Wash with plenty of soap and water; take off contaminated clothing and wash before re-use. If skin irritation occurs, seek medical advice / attention.

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## 3. Composition / information on ingredients

### Hazardous ingredients:

Components	CAS Number	Concentration (ingredient %)
Fatty acid derivatives	Proprietary	100

## 4. First-aid measures

### The first aid measures for different exposure routes

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#### Skin contact:

- 1.Wash with plenty of soap and water.
- 2.Take off contaminated clothing and wash before re-use.
- 3.If skin irritation occurs, seek medical advice / attention.

#### Eye Contact:

- 1.Rinse cautiously with water for several minutes.
- 2.Remove contact lenses, if present and easy to do.
- 3.Continue rinsing.
- 4.Immediately call a POISON CENTER or doctor / physician.

#### Ingestion:

- 1.Rinse mouth, don't induce vomiting.
- 2.Immediately call a POISON CENTER or doctor/physician.

**Most important symptoms and hazardous effects:** The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

**The protection of first-aiders:** Should wear C class of protective equipment and practice first aid at safe place.

**Notes to physicians:** Cure according to the symptoms.

## 5. Fire-fighting measures

**Suitable extinguishing media:** Water spray, dry powder, foam

**Special hazards may be encountered during fire-fighting:**

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- 1.Harmful vapors.
- 2.Evolution of fumes / fog

## Special fire-fighting methods:

- 1.Notify fire brigade, and tell the location of hazards and the hazardous characteristic.
- 2.Wear whole set of protective clothing and respiratory protection.
- 3.Try to avoid leakage to flow into river or channel.
- 4.Spray plenty of water to control the fire and cool nearby place.
- 5.Avoid contaminated extinguishing water to flow into cistern.
- 6.Don't approach high temperature container.
- 7.Sprinkle spray from protected area to cool the containers in scene of fire.
- 8.Remove the containers from scene of fire under safe situation.
- 9.If there are large-scale containers (including lorry) in scene of fire, suggest to evacuate 100 meters.

## Special equipment for the protection of firefighters:

Wear protective gloves / clothing and eye / face / respiratory protection as specified by the manufacturer / supplier or the competent authority.

## 6. Accidental release measures

**Personal precautions:** Use personal protective clothing. Information regarding personal protective measures see, section 8.

**Environmental precautions:** Don't discharge into drains / surface waters

### Methods for cleaning up

#### For small amounts:

- 1.Leak would cause floor wet and slippery.
- 2.Immediately clean all leak.
- 3.Avoid inhalation of vapor or avoid leak to contact skin, eye.
- 4.Wear protective clothing in order to prevent leak from touching human body.
- 5.Pick up with absorbent material (e.g. sand, sawdust).
- 6.Store in appropriate and clear labeled container of discard.

#### For large amounts:

- 1.Leak would cause floor wet and slippery.
- 2.Mass leak belongs to middle hazard.
- 3.Evacuate people from leaking scene.
- 4.Notify emergency center, tell the location of hazard and the hazardous characteristic.
- 5.Wear protective equipment and gloves.
- 6.Try to stop leak flowing into river or channel.
- 7.No smoking, keep away from ignition source.
- 8.Pick up with absorbent material (e.g. sand, sawdust).
- 9.Store in appropriate, clear labeled and airtight container, wait for disposal.
- 10.Wash said scene in order to prevent leak from flowing into river.
- 11.If river or channel is contaminated, notify emergency center immediately.

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## 7. Handling and storage

### Handling

#### Request:

1. Avoid heating excessively in atmosphere.
2. Dilute oxidation of ethoxylated derivatives with nitrogen.
3. Handle in ventilated place.
4. Avoid exposure to illumination or ignition source.
5. Avoid touch incompatible material.
6. No eating and no smoking when handle.
7. Keep container tightly closed when stop handling.
8. Avoid container to be physical damage.

#### Precaution:

1. Don't let skin touch contaminated clothing.
2. Avoid all human bodies to touch, including inhalation.
3. If there is risk of excessive exposure, should wear personal protective clothing.
4. Wash hands thoroughly with water and soap.
5. Wash working clothing separately.
6. Keep well occupational hygienic habits.
7. Comply with the suggestion of storage specified by manufacturer.
8. Detect quality of air regularly to ensure safety of working surroundings.

### Storage

#### Suitable material for containers:

1. Use metal container.
2. Store as specified by manufacturer.
3. Inspect whether storage facilities have clear label and leaks.

**Incompatible materials:** Avoid reacting with oxidant.

#### Further information on storage condition:

1. Keep container tightly closed and dry.
2. Store in a cool place.

## 8. Exposure controls/Personal protection

### Engineering Control:

1. Generally needs partial airy system.
2. Storehouse or airtight area should be provided with appropriate ventilation.

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**Control parameters:**

8 hours time weighted average exposure limits	Short-term exposure limits	Maximum exposure limits	Biological standards
No data available	No data available	No data available	No data available

**Personal protective equipment****Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols / dust are formed.

**Hand protection:** Chemical resistant protective gloves. Consult with glove manufacturer for testing data.

**Eye protection:** Tightly fitting safety goggles (chemical goggles)

**Skin and body protection:** Impermeable protective clothing

**Hygiene measures:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Appearance:** White pastille

**Odor:** Mild

**Melting / freezing point:** 62 – 66°C

**pH value:** 8 – 10 (1%)

**Boiling point / boiling range:** No data available

**Flammability (solid, gas):** Not applicable

**Flash point:** > 100°C (Close cup)

**Decomposition temperature:** No data available

**Auto-ignition temperature:** No data available

**Vapor pressure:** No data available

**Vapor density:** No data available

**Density:** No data available

**Solubility:** Dispersible in water

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## 10. Stability and reactivity

**Stability:** Product is a stable substance under normal conditions.

**Possible hazardous reactions under specific conditions:** Hazardous polymerization reaction doesn't happen.

**Condition to avoid:** No data available.

**Material to avoid:** Oxidizing agents.

**Hazardous decomposition products:** Products of combustion include CO<sub>2</sub> and thermal decomposition products produced by burning organic materials.

## 11. Toxicological information

**Routes of exposure:** Inhalation, skin, eye, oral

**Symptoms:** Irritation, dermatitis, inflammation, blistering, cornea anaesthesia, vomit, diarrhea

**Acute toxicity** Acute oral toxicity(LD<sub>50</sub>): >2000 mg/kg (Mice)

**Inhalation:** Cause inflammation of respiratory tract, induce lung more severe damage.

**Skin:**

1. May cause skin middle irritation, if repeated contact, will cause contact dermatitis, the symptoms are inflamed and blistering.
2. Enter into blood system through incised wound, graze that will cause hazardously systemic damage.
3. Before handle, inspect skin, and ensure wound is protected appropriately.

**Eye:**

1. Cause severe damage.
2. Cause cornea numb, and damage cornea.

**Acute oral toxicity:** No data available.

**Chronic toxicity or long-term toxicity:**

1. After repeated or long-term occupational exposure, said substance may accumulate in human body and cause effect.
2. Long-term or repeated contact with skin would cause skin dry and splitting and inflamed.

## 12. Ecological information

**Toxicity:**

Biological elimination: 83%      Method: OECD 301

COD value: 2527 mg/g

BOD<sub>5</sub> value: 2097 mg/g

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

**Persistence and degradability:**

Half-life (air): No data available.

Half-life ( surface water): No data available.

Half-life (ground water): No data available.

Half-life (soil): No data available.

**Bioaccumulative potential:** No data available.

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**Mobility in soil:** No data available.

**Other advise effects:** No data available.

## 13. Disposal considerations

**Methods of waste disposal:**

- 1.Empty container may still possesses chemical danger and hazard.
- 2.Dispose of used container in a licensed facility.
- 3.Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

## 14. Transport information

**UN number:** Not regulated as a dangerous good

**UN proper shipping name:** Not regulated as a dangerous good

**Transport hazard class:** Not regulated as a dangerous good

**Packing group:** Not regulated as a dangerous good

**Marine pollutant:** No

**Specific transport measures and precautionary conditions:** Not regulated as a dangerous good

## 15. Regulatory information

**Applicable regulation:**

- 1.Occupational Safety and Health Act
- 2.Regulation of Labeling and Hazard Communication of Hazardous Chemicals

## 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.

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