



# SAFETY DATA SHEET

## OR-27

Version 2.0  
Revision date: 25/2/2019  
Print Date: 25/2/2019

### 1. Identification of the substance/ mixture and of the company/ undertaking

#### 1.1. Product identifier

Trade name : OR-27  
Chemical Name: : Mixture of surfactants.

#### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Textile auxiliary.  
Non-recommended : none known.

#### 1.3. Details of the supplier of the safety data sheet

Company : HUNG XUONG CHEMICAL CO., LTD.  
Telephone : +84 272 377 8055/56  
Telefax : +84 272 377 80  
E-mail : info@hungxuong.com

#### 1.4. Emergency telephone number

Emergency : +84 272 377 8055  
Information :

### 2. Hazards identification

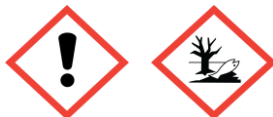
#### 2.1. Classification of the substance or mixture

**GHS Classification and classification according to Regulation on classification and labeling of chemicals - Number 04/2012/TT-BCT.**

Acute toxicity-Oral : Category 5.  
Serious eye damage/eye irritation: Category 2A.  
Aquatic Acute : Category 2.  
Aquatic Chronic : Category 2.

#### 2.2. Label elements

##### GHS Label elements



Hazard pictograms :  
Signal word : Warning  
Hazard statement :

H303- May be harmful if swallowed.  
H319- Causes serious eye irritation.  
H401- Toxic to aquatic life.  
H411- Toxic to aquatic life with long-lasting effects.

Precautionary statement:

Prevention :



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P264- Wash hands thoroughly after handling.  
P280- Wear protective gloves/protective clothing/eye protection/face protection.  
P273- Avoid release to the environment.

Response :  
P312- Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+P351+P338- IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313- If eye irritation persists Get medical advice/attention.  
P391- Collect spillage.

Storage :  
No special measures required.

Disposal :  
P501- Disposal of contents / container in accordance with national regulations.

**2.3. Other hazards**  
None known

### 3. Composition/information on ingredients

#### 3.1. Substance

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#### 3.2. Mixture

Information on ingredients / Hazardous components

Chemical Name	CAS-No	Concentration (%)	Classification GHS
Sodium tripolyphosphate	7758-29-4	24-25	Not classified. (refer to <a href="https://echa.europa.eu/registration-dossier/-/registered-dossier/15386/2/1">https://echa.europa.eu/registration-dossier/-/registered-dossier/15386/2/1</a> )
Lauryl alcohol ethoxylate	9002-92-0	18-20	Acute Toxicity-Oral.4, H302. Eye Irrit.2A, H319. Aquatic Acute.1, H400. Aquatic Chronic.1, H410 ( Refer to <a href="https://echa.europa.eu/registration-dossier/-/registered-dossier/10916/2/1">https://echa.europa.eu/registration-dossier/-/registered-dossier/10916/2/1</a> )
Sodium carbonate	497-19-8	8-9	Eye Irrit.2A, H319. (Refer to: <a href="https://echa.europa.eu/brief-profile/-/briefprofile/100.007.127">https://echa.europa.eu/brief-profile/-/briefprofile/100.007.127</a> )



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### 4. First aid measures

#### 4.1. Description of first aid measures

- General advice : If medical advice is needed, provide SDS document to physician.
- Inhalation : Remove the victim from exposure or move to well-ventilated area.  
If there is difficulty in breathing, medical advice is required.
- Skin contact : After contact with skin, wash with plenty of soap and water.  
Remove contaminated clothing, shoes and leather accessories.
- Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists –Get medical advice/ attention .
- Ingestion : In case of swallowing, rinse mouth, drink plenty of water. If feel unwell, seek medical advice.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms : no special hints

#### 4.3. Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

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### 5. Fire-fighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : fine water spray, foam, dry powder, CO<sub>2</sub>

Unsuitable extinguishing media : no data available.

#### 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: carbon monoxide, carbon dioxide.

#### 5.3. Advice for firefighters

On burning, fire fighter should wear self-contained breathing apparatus if risk of exposure to product of combustion.

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### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Do not touch or walk through spilled material.

#### 6.2. Environmental precautions

Take up and fill into a closable container. Prevent run off into drains and waterways.

#### 6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material, eg: soil, sand and other non-flammable absorbent material.

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### 7. Handling and storage

#### 7.1. Precautions for safe handling



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Advice on safe handling : wear protective equipment when working.

Hygiene measures : Do not eat, drink or smoke when working. Wash hands before breaks and after work.

General protective measures : Do not inhale gases/ vapours/ aerosols. Avoid contact with eyes and skin.

### 7.2. Condition for safe storage, including any incompatibilities

#### Prevention of fire and explosion

Information : no special measures required.

#### Storage

Information : none

Further Information on storage conditions:

Keep container tightly closed and store in a cool, dry well- ventilated location. Store away from heat, flames, ignition sources and incompatibles. Check regularly for leaks. Store locked up.

## 8. Exposure controls / Personal protection

### 8.1. Control parameters

Exposure limit(s)

Ingredient	CAS-No	Statutory basis	Value type (From of exposure; Expressed as)	Occupational exposure limit
no		(Decision.No.3733/2002/QĐ-BYT)	TWA	
			STEL	

### 8.2. Exposure controls

Appropriate engineering controls : operate in well- ventilated area.

Personal protective equipment

Eye protection : wear safety goggles.

Hand protection : protective gloves.

Body protection : protective working clothes and safety shoes.

Respiratory protection : wear respirator

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state or appearance: paste.

Color : white.

Odor : odorless.



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Odor Threshold : no data available.  
pH of 1% liquid (25°C) : 9.0-11.  
Melting point : no data available.  
Boiling point : no data available.  
Flash point : > 95°C  
Evaporation rate : no data available.  
Flammability : no data available.  
Upper Explosion/Ignition limit: no data available.  
Lower explosion limit : no data available.  
Vapour pressure : no data available.  
Relative vapour : no data available.  
Relative density : no data available.  
Solubility : soluble in water.  
Partition coefficient : no data available.  
(n-octanol/water)  
Autoignition : no data available.  
temperature  
Thermal : no data available.  
decomposition  
Viscosity, kinematic : no data available.  
Viscosity, Dynamic : no data available.  
Oxidizing properties : no data available.

**9.2. Other Information**  
Density :  $\approx 1.0 \text{ g/cm}^3$  (25°C)  
Metal corrosion : no data available.

## 10. Stability and reactivity

### 10.1. Reactivity

Stable in normal room temperature.

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known

### 10.4. Conditions to avoid

Heat, flames, ignition sources and incompatibles.

### 10.5. Incompatible materials

Avoid contact with strong acids and oxidizing agents. It's incompatible with metals.

### 10.6. Hazardous decomposition products

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

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : May be harmful if swallowed.



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Acute toxicity : not classified.  
(inhalation)  
Acute toxicity (dermal) : not classified.  
Irritation/corrosion : not classified.  
of the skin  
Serious eye damage/ : Causes serious eye irritation.

eye irritation

Repeated dose toxicity : not classified.

### CMR assessment

Carcinogenicity : not classified.

Mutagenicity : not classified.

Teratogenicity : not classified.

Toxicity to reproduction: not classified.

Specific Target Organ : not classified.

Toxicity-single exposure

Specific Target Organ : not classified.

Toxicity-Repeated exposure

Aspiration hazard : not classified.

## 12. Ecological information

### Ecotoxicology Assessment

Acute aquatic toxicity: Toxic to aquatic life.

Chronic aquatic toxicity: Toxic to aquatic life with long-lasting effects.

#### 12.1. Ecotoxicity

No data available.

#### 12.2. Persistence and degradability

Biodegradability (BOD5/ COD): 42%.

Biochemical oxygen demand (BOD5): 198 mg/g.

Chemical oxygen demand (COD): 470 mg/g.

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

No data available.

#### 12.5. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1 Waste treatment methods

Waste from residue: Disposal should be in accordance with local regulations and legislation.

Contaminated packaging: Dispose of empty contaminated containers in accordance with regulations and legislation.

## 14. Transport information

Not classified as dangerous goods for transport



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### D.O.T Road/Rail

UN number : not applicable.  
UN proper shipping name: not applicable.  
Transport hazard class (es): not applicable.  
Packing group : not applicable.  
Environmental hazards (Marine pollutant): not applicable.  
Transport in bulk : not applicable.  
Special precaution for user: not applicable.

### Air transport ICAO-TI/IATA-DGR

UN number : not applicable.  
UN proper shipping name: not applicable.  
Transport hazard class(es): not applicable.  
Packing group : not applicable.  
Environmental hazards : not applicable.  
Transport in bulk : not applicable.  
Special precaution for user: not applicable.

### Sea transport IMDG

UN number : not applicable.  
UN proper shipping name: not applicable.  
Transport hazard class(es): not applicable.  
Packing group : not applicable.  
Environmental hazards (Marine pollutant): not applicable.  
Transport in bulk : not applicable.  
Special precaution for user: not applicable.

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture.

- Regulation on classification and labeling of chemicals - Number 04/2012/TT-BCT - Date issued :13/02/2012
- Regulations on the list of hazardous industrial goods to be packed in the process of transporting and transporting dangerous industrial goods by road, rail and inland waterway transport - number: 44/2012/TT-BCT - Date issued 28/12/2012
- National technical standard for ambient air quality - QCVN05:2013/BTNMT
- National technical regulation on some hazardous substances in the surrounding air - QCVN06:2009/BTNMT
- Decision, No.3733/2002/QĐ-BYT.

## 16. Other information

The information in the sheet were written based on the best knowledge and experience currently available but without liability.

SDS prepared on: March 16, 2018



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### Legend

TWA: Time Weighted Average.

STEL: Short term exposure limit.

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

Acute Toxicity-Oral.4: Acute toxicity oral, hazard category 4

Eye Irrit.2A: eye irritation, hazard category 2A

Aquatic Acute.1: Aquatic acute, hazard category 1

Aquatic Chronic.1: Aquatic chronic, hazard category 1

Aquatic Chronic.2: Aquatic chronic, hazard category 2

H302- Harmful if swallowed.

H303- May be harmful if swallowed.

H319- Causes serious eye irritation

H400- Very toxic to aquatic life.

H401- Toxic to aquatic life.

H410- Very toxic to aquatic life with long-lasting effects.

H411- Toxic to aquatic life with long-lasting effects.