



# SAFETY DATA SHEET

## HUNTEX DL-213

Version 2.0  
Revision date: 22/02/2019  
Print Date: 22/02/2019

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

#### 1.1. Product identifier

Trade name : HUNTEX DL-213  
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.**

Skin corrosion/ irritation : Category 3.  
Serious eye damage/eye irritation : Category 2A.  
Aquatic Chronic : Category 3

#### 2.2. Label elements

##### GHS Label elements



Hazard pictograms :  
Signal word : Warning  
Hazard statement :

H316- Causes mild skin irritation.  
H319- Causes serious eye irritation.  
H412- Harmful to aquatic life with long lasting effects.

##### Precautionary statement:

Prevention :  
P264- Wash hands thoroughly after handling.  
P280- Wear protective gloves/protective clothing/eye protection/ face protection.  
P273- Avoid release to the environment.  
Response :  
P332+P313- If skin irritation occurs. Get medical advice/ attention.  
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 persist –Get medical advice/ attention.  
Storage : No special measures required.



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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
Polyoxyethylene styrenated aryl sulfate ammonium salt	119432-41-6	6-7	Eye Irrit.2, H319. Aquatic Chronic.3, H412 (Refer to: <a href="https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/75108">https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/75108</a> )
Tristyrylphenol ethoxylates	70559-25-0	< 0.35	Aquatic Chronic.3, H412 (Refer to: <a href="https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/42472">https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/42472</a> )
Polyoxyethylene oleate	9004-96-0	15-16	Not classified (Refer to: <a href="https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/75922">https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/75922</a> )
Proprietary		1.0-2.5	Skin Irrit.2, H315. Eye Dam.1, H318. ( Refer to SDS of the supplier )
Proprietary		20-25	Eye Irrit.2, H319. Aquatic Chronic.3, H412 ( Refer to SDS of the supplier )
Proprietary		1.75- 3.5	Aquatic Chronic.3, H412 ( Refer to SDS of the supplier )



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2-Butoxyethanol	111-76-2	1.75- 3.5	Acute Tox- Oral.4, H302. Acute Tox -Dermal.4, H312. Acute Tox -Inhal.4, H332. Skin Irrit.2, H315. Eye Irrit.2, H319. ( Refer to <a href="https://echa.europa.eu/brief-profile/-/briefprofile/100.003.550">https://echa.europa.eu/brief-profile/-/briefprofile/100.003.550</a> )
Isopropyl alcohol	67-63-0	5-6	Flam.Liq. 2, H225 Eye Irrit. 2, H319 STOT-SE 3, H335 ( refer to <a href="https://echa.europa.eu/brief-profile/-/briefprofile/100.000.601">https://echa.europa.eu/brief-profile/-/briefprofile/100.000.601</a> )

#### 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 persist –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.

#### 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.

### 7. Handling and storage

#### 7.1. Precautions for safe handling

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.

### 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
2-Propanol (Isopropanol)	67-63-0	(Decision.No.3733/2002/QD-BYT)	TWA	350 mg/m3
		(Decision.No.3733/2002/QD-BYT)	STEL	600 mg/m3

#### 8.2. Exposure controls

Appropriate : operate in well- ventilated area.



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engineering controls

Personal protective equipment

Eye protection : wear safety goggles.

Hand protection : protective gloves.

Body protection : protective working clothes and safety shoes.

Respiratory protection : wear respirator

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### 9. Physical and chemical properties

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

Physical state or appearance: liquid

Color : yellowish.

Odor : characteristic, odor resembling that a slight alcohol.

Odor Threshold : no data available.

pH of 1% liquid (25°C) : 6.0- 8.0.

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.

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### 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



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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.

### 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) : not classified.

Acute toxicity  
(inhalation) : not classified.

Acute toxicity (dermal) : not classified.

Irritation/corrosion : Causes mild skin irritation.  
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

### 12.1 Ecotoxicity

Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

Biodegradability (BOD5/ COD): 43%.

Biochemical oxygen demand (BOD5): 554 mg/g.

Chemical oxygen demand (COD): 1275 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.



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### 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.

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### 14. Transport information

Not classified as dangerous goods for transport

#### 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.

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### 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



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- Decision, No.3733/2002/QD-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

Revision date : February 22, 2019

Version 2.0

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

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

Eye Dam.1: eye damage, hazard category 1.

Skin Irrit. 2 : skin irritation, hazard category 2

Skin Irrit. 3 : skin irritation, hazard category 3

Flam. Liq. 2: flammable liquid, hazard category 2

STOT SE 3: Specific target organ toxicity- single exposure, hazard category 3

Aquatic Chronic.3: Aquatic chronic, hazard category 3

Acute Tox- Inhal.4: acute toxicity inhalation, hazard category 4.

Acute Tox- dermal.4: acute toxicity dermal, hazard category 4.

Acute Tox- oral.4: acute toxicity oral, hazard category 4.

H225: Highly flammable liquid and vapor

H302:Harmful if swallowed

H314: Causes severe skin burns and eye damage

H315: Causes skin irritation

H316: Causes mild skin irritation

H318: Causes serious eye damage

H319: Causes serious eye irritation

H332: Harmful if inhaled

H312: Harmful in contact with skin

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long-lasting effects