



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
Revision date: 30/11/2020
Print Date:

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 – Circular Number 32/2017/TT-BCT.

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

2.2. Label elements

GHS Label elements



Hazard pictograms :
Signal word :
Hazard statement :

WARNING

H315- Causes skin irritation.
H319- Causes serious eye irritation.
H411- Toxic to aquatic life with long lasting effects.

Precautionary statement:

Prevention :

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

Response :

P302 + P352- IF ON SKIN: Wash with plenty of soap and water.
P332+P317- If skin irritation occurs: Get medical help.
P362 +P364- Take off contaminated clothing and wash it before reuse.
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
Revision date: 30/11/2020
Print Date:

P337+P317- If eye irritation persists: Get medical help.

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

-

3.2. Mixture

Information on ingredients / Hazardous components

Chemical Name	CAS-No	Concentration (%)	Classification GHS
Polyoxyethylene styrenated aryl sulfate ammonium salt (H-296)	119432-41-6	6-7	Eye Irrit.2, H319. Aquatic Chronic.1, H410 (Refer to https://echa.europa.eu/substance-information/-/substanceinfo/100.121.342)
Tristyrylphenol ethoxylates (h-296)	70559-25-0	< 0.35	Aquatic Chronic.3, H412 (Refer to: https://echa.europa.eu/substance-information/-/substanceinfo/100.114.882)
Polyoxyethylene oleate (H-297)	9004-96-0	15-16	Skin Irrit.2, H315. Eye Irrit.2, H319. (Refer to: https://echa.europa.eu/substance-information/-/substanceinfo/100.105.525)
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)



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
Revision date: 30/11/2020
Print Date:

Proprietary		1.75- 3.5	Aquatic Chronic.3, H412 (Refer to SDS of the supplier)
2-Butoxyethanol	111-76-2	1.75- 3.5	Acute Tox- Oral.4, H302. Acute Tox-Inhal.4, H332. Skin Irrit.2, H315. Eye Irrit.2, H319. (Refer to https://echa.europa.eu/brief-profile/-/briefprofile/100.003.550)
Isopropyl alcohol	67-63-0	5-6	Flam.Liq. 2, H225 Eye Irrit. 2, H319 STOT-SE 3, H336 (Refer to https://echa.europa.eu/brief-profile/-/briefprofile/100.000.601)

Ghi chú : dòng chữ đỏ là thông tin giấu khách hàng khi gửi SDS

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.

5. Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : fine water spray, foam, dry powder, CO₂
- Unsuitable extinguishing media : no data available.



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
Revision date: 30/11/2020
Print Date:

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.

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.3733/20 02/QD-BYT)	TWA	350 mg/m ³



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
Revision date: 30/11/2020
Print Date:

		(Decision.No.3733/2002/QĐ-BYT)	STEL	600 mg/m ³

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: 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 (n-octanol/water) : no data available.
Autoignition temperature : no data available.
Thermal decomposition : no data available.
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)



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
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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.

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 : not classified.
(inhalation)

Acute toxicity (dermal) : not classified.

Irritation/corrosion : Causes 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

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Biodegradability (BOD5/ COD): 43%.

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



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
Revision date: 30/11/2020
Print Date:

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.

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

D.O.T Road/Rail

UN number : not applicable.

UN proper shipping name: not applicable.



Hazard label: .

Transport hazard class (es): 9

Packing group : not applicable.

Environmental hazards (Marine pollutant): yes.

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.



Hazard label: .

Transport hazard class (es): 9

Packing group : not applicable.

Environmental hazards (Marine pollutant): yes.

Transport in bulk : not applicable.

Special precaution for user: not applicable.

Sea transport IMDG

UN number : not applicable.

UN proper shipping name: not applicable.



Hazard label:

Transport hazard class(es): 9



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
Revision date: 30/11/2020
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Packing group : not applicable.
Environmental hazards (Marine pollutant): yes.
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 - Circular Number 32/2017/TT-BCT. Date issued : 28/12/2017.
- 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
- Regulations on the labeling of chemicals based on GHS according to Circular No. 32/2017/TT/ BCT
- 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

Revision date : Nov 30, 2020

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.1: Aquatic chronic, hazard category 1

Aquatic Chronic.3: Aquatic chronic, hazard category 3

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

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

H225: Highly flammable liquid and vapor

H302: Harmful if swallowed



SAFETY DATA SHEET

HUNTEX DL-213

Version 2.0
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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.
H410: Very toxic to aquatic life with long-lasting effects
H412: Harmful to aquatic life with long-lasting effects