



SAFETY DATA SHEET

HUNTEX RO-60

Version 2.0
Revision date: 05/12/2020
Print Date:

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

1.1. Product identifier

Trade name : HUNTEX RO-60
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 3.
Serious eye damage/eye irritation: Category 2.
Aquatic toxicity-Chronic : Category 3

2.2. Label elements

GHS Label element



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 eye protection/face protection.
P273- Avoid release to the environment.

Response :

P332 + P317- If skin irritation occurs: Get medical help.
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+P317- If eye irritation persists: Get medical help.

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

-

3.2. Mixture

Information on ingredients / Hazardous components

| Chemical Name | CAS-No | Concentration (%) | Classification GHS |
|---|-------------|-------------------|---|
| Polyoxyethylene styrenated aryl sulfate ammonium salt | 119432-41-6 | 2-3 | Eye Irrit.2, H319. Aquatic Chronic.1, H410 (Refer to https://echa.europa.eu/substance-information/-/substanceinfo/100.121.342) |
| Trystyrylphenol ethoxylates | 70559-25-0 | < 0.16 | Aquatic Chronic.3, H412 (Refer to: https://echa.europa.eu/substance-information/-/substanceinfo/100.114.882) |
| Urea | 57-13-6 | 6 | Not classified. (https://echa.europa.eu/brief-profile/-/briefprofile/100.000.286) |
| Polyoxyethylene oleate | 9004-96-0 | 7-8 | Skin Irrit.2, H315. Eye Irrit.2, H319. (Refer to: https://echa.europa.eu/substance-information/-/substanceinfo/100.105.525) |
| Octadecan-1-ol, ethoxylated | 9005-00-9 | < 0.002 | Aquatic Chronic.2, H411. (Refer to https://echa.europa.eu/brief-profile/-/briefprofile/100.105.527) |
| Isopropyl alcohol | 67-63-0 | 3.3 | Flam.Liq. 2, H225 Eye Irrit. 2, H319 STOT-SE 3, H336 (Refer to https://echa.europa.eu/brief- |



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| | | | profile/- /briefprofile/100.000.601 |
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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.
- 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.

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 : wear protective equipment when working.



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handling

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

General protective measures : Do not inhale gases/ vapors/ 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. 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/QĐ-BYT) | TWA | 350 mg/m ³ |
| | | (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.



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Odor Threshold : no data available.
pH of 1% liquid (25°C) : 6-8.
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.
Vapor pressure : no data available.
Relative vapor : 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

No special recommendations.

10.5. Incompatible materials

Avoid contact with oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide, 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.



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(inhalation)
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): 149 mg/g.

Chemical oxygen demand (COD): 348 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

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.



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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 - Circular Number 32/2017/TT-BCT. Date issued : 28/12/2017
- 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/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

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Legend

TWA: Time Weighted Average.

STEL: Short term exposure limit.



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IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods.
Eye Irrit.2: eye irritation, hazard category 2.
STOT SE 3: Specific target organ toxicity- single exposure, hazard category 3.
Flam. Liq.2: Flammable liquid, hazard category 2.
Aquatic Chronic.1: Aquatic chronic, hazard category 1
Aquatic Chronic.2: Aquatic chronic, hazard category 2
Aquatic Chronic.3: Aquatic chronic, hazard category 3
H225- Highly flammable liquid and vapor.
H315- Causes skin irritation
H319- Causes serious eye irritation.
H336- May cause drowsiness or dizziness.
H410- Very toxic to aquatic life with long-lasting effects.
H411- Toxic to aquatic life with long-lasting effects.
H412- Harmful to aquatic life with long-lasting effects.