



SAFETY DATA SHEET

HUNTEX DMC-KO2

Version 1.0
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 DMC-KO2

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.

Acute toxicity-Oral : Category 5.

Serious eye damage/eye irritation: Category 2.

Aquatic Acute : Category 2.

Aquatic Chronic : Category 1.

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.

H410- Very toxic 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 :

P301 + P317- IF SWALLOWED: Get medical help.

P305+P351+P338- IF IN EYES: Rinse cautiously with water for



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several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
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
Lauryl alcohol ethoxylate	9002-92-0	24	Acute Toxicity-Oral.4, H302. Eye Irrit.2, H319. Aquatic Acute.1, H400. Aquatic Chronic.1, H410 (Refer to https://echa.europa.eu/brief-profile/-/briefprofile/100.105.513)
Polyoxyethylene styrenated aryl sulfate ammonium salt	119432-41-6	9	Eye Irrit.2, H319. Aquatic Chronic.1, H410 (Refer to https://echa.europa.eu/substance-information/-/substanceinfo/100.121.342)
Tristyrylphenol ethoxylates	70559-25-0	0.5	Aquatic Chronic.3, H412 (Refer to: https://echa.europa.eu/substance-information/-/substanceinfo/100.114.882)



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Isopropyl alcohol	67-63-0	0.3	Flam.Liq. 2, H225 Eye Irrit. 2, H319 STOT-SE 3, H336 (Refer to https://echa.europa.eu/brief-profile/-/briefprofile/100.000.601)
Butyl carbitol (diethylene glycol monobutyl ether)	112-34-5	66	Eye Irrit. 2, H319 (Refer to https://echa.europa.eu/brief-profile/-/briefprofile/100.003.601)

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 with water, 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 will emit toxic fumes, fire fighter should wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or product of combustion.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid slippery, do not touch or walk through spilled material.



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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, wear safety goggles 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/ 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. Store away from heat, flames, ignition sources and incompatibles. Avoid contact with strong acids, alkalis, oxidizing agents. 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/m3
		(Decision.No.3733/20 02/QD-BYT)	STEL	600 mg/m3

8.2. Exposure controls

Appropriate engineering controls : operate in well- ventilated area.

Personal protective equipment



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Eye protection	: wear safety goggles.
Hand protection	: protective gloves.
Body protection	: protective working clothes and safety shoes.
Respiratory protection	: wear respirator
Hygiene measures	: keep away from foodstuff. Always wash hands before eating, drinking, smoking. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state or appearance: liquid

Color	: colorless.
Odor	: characteristic
Odor Threshold	: no data available.
pH of 1% liquid (25°C)	: 5.5 - 7.5
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	: 25-45 mPa*s (25°C)
Oxidizing properties	: no data available.

9.2. Other Information

Density	: 0.99- 1.0 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



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The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Contact with aluminum or alloys containing aluminum may result in alcoholate formation with subsequent evolution of hydrogen.

10.4 Conditions to avoid

Heat, flames, ignition sources and incompatibles.

10.5. Incompatible materials

Avoid contact with strong acids, alkalis and oxidizing agents, aluminum and alloys of aluminum.

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.

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

12.1. Ecotoxicity

Very toxic to aquatic life with long-lasting effects

12.2. Persistence and degradability

Biodegradability : .14%

Biochemical oxygen demand (BOD5): 1340 mg/g.

Chemical oxygen demand (COD): 9936 mg/g.

12.3. Bioaccumulative potential

No data available.



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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

Packing group : not applicable.

Environmental hazards (Marine pollutant): yes.



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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/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: July 24, 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

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

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

Eye Irr.2: eye irritation, hazard category 2.

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

Aquatic Acute.1: Aquatic acute, 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

H302- Harmful if swallowed.

H303- May be harmful if swallowed.



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- H336- May cause drowsiness or dizziness
- 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.
- H412- Harmful to aquatic life with long-lasting effects.