

1. Product and Company Identification

Material name	Padapon AE-270
Revision date	16-01-2017
Chemical class	Alkyl Ethoxy Sulfate
Manufacturer	Padideh Shimi Gharb Co. No.5.21rd St, Vozara St, Argentina Sq, Tehran, Iran +98-21-43413000

2. Hazards Identification

Emergency overview	Moderately irritating to the eyes. Moderate skin irritation May cause irritation of respiratory tract.
Potential health effects	
Eyes	Moderately irritating to the eyes.
Skin	Moderate skin irritation.
Inhalation	Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion	Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

3. Composition / Information on Ingredients

Components	Percent
Ammonium laureth (2 EO) sulfate	60 - 70
Water	25 - 35

4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion	Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician if you feel unwell. Do not induce vomiting without advice from poison control center. Symptoms may be delayed.
Notes to physician	
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters	During fire, gases hazardous to health may be formed.
Specific hazards arising from the chemical	Move containers from fire area if you can do so without risk.
Protective equipment and precautions for firefighters	Use standard firefighting procedures and consider the hazards of other involved materials.
Specific methods	
6. Accidental Release Measures	
Personal precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
Environmental precautions	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
Methods for containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Collect spillage.
Methods for cleaning up	Ventilate the contaminated area. Extinguish all flames in the vicinity. Wear appropriate protective equipment and clothing during clean-up. Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Do not allow material to contaminate ground water system. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the MSDS.
7. Handling and Storage	
Handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not taste or swallow.

Avoid breathing mist or vapor. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Avoid contact with clothing. Do not use in areas without adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains. Keep away from heat, sparks and open flame. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the MSDS).

Storage

8. Exposure Controls / Personal Protection

Engineering controls

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Personal protective equipment

General

Use personal protective equipment as required.

Eye / face protection

Wear eye/face protection. Wear safety glasses with side shields (or goggles). Do not get in eyes. Eye wash fountain is recommended.

Skin protection

Wear appropriate chemical resistant clothing. Chemical resistant gloves.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Physical state

Liquid

Color

Colorless or light yellow

pH

5 - 7 (5% in H₂O)

Flash point

> 201 °F (> 93.9 °C)

Flammability limits in air, upper, % by volume

NOT APPLICABLE.

10. Stability & Reactivity

Chemical stability

Material is stable under normal conditions.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Strong oxidizing agents. Strong acids.

Incompatible materials

Hazardous decomposition products
Possibility of hazardous reactions

Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.
No dangerous reaction known under conditions of normal use.

11.Toxicological Information

Product
Padapon AE-270

Test Results
Acute Dermal LD50 Rabbit: > 2000 mg/kg
Acute Oral LD50 Rat: > 2000 mg/kg

Sensitization
Acute effects

Not classified.
May be harmful if swallowed. May be harmful in contact with skin.
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Carcinogenicity

Skin corrosion/irritation
Mutagenicity

Causes skin irritation.
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Contains no ingredient listed as toxic to reproduction

Reproductive effects

12.Ecological Information

Ecotoxicological data

Product
Padapon AE-270

Test Results
EC50 Algae: > 56 ppm 72 hours
EC50 Daphnia: > 13 ppm 48 hours
LC50 Fish: > 6.3 ppm 96 hours

Persistence / degradability
Bioaccumulation / Accumulation
Mobility in environmental media

Expected to be inherently biodegradable.
No data available.
No data available for this product.

13.Disposal Considerations

Waste codes

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal instructions
Waste from residues / unused products

Dispose in accordance with all applicable regulations. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14.Transport Information

Notes

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

15.Regulatory Information

Reportable Quantity

Not available

16.Other Information

HMIS® ratings

 Health: 2
 Flammability: 1
 Physical hazard: 0
 Personal protection: X

NFPA ratings

 Health: 2
 Flammability: 1
 Instability: 0

Disclaimer

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