

1. Product and Company Identification

Material name	Padapon SE-230
Revision date	16-01-2017
Chemical class	Alkyl Ethoxy Sulfate
Cas Number	9004-82-4
Manufacturer	Padideh Shimi Gharb Co. No.5.21rd St, Vozara St, Argentina Sq, Tehran, Iran +98-21-43413000

2. Hazards Identification

Emergency overview	Causes serious eye irritation. Causes skin irritation. Harmful if swallowed. Dangerous for the environment if discharged into watercourses.
Potential health effects	
Eyes	Do not get this material in contact with eyes. May cause severe irritation to eyes.
Skin	This product may be severely irritating to the skin. Do not get this material in contact with skin.
Inhalation	Do not breathe dust/fume/gas/mist/vapors/spray. Prolonged inhalation may be harmful.
Ingestion	Do not ingest.

3. Composition / Information on Ingredients

Components	Percent
Alkyl (C12-14) Ether (2 EO) Sulfate, Sodium Salt	20 - 30
Polyethylene glycol monododecyl ether	0 - 4
Water	68 - 80

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	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. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Notes to physician	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General advice	In the case of accident or if you feel unwell, seek

medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse

5. Fire Fighting Measures

Flammable properties

Not flammable by OSHA criteria. Not combustible by OSHA criteria.

Extinguishing media

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Specific hazards arising from the chemical

Protective equipment and precautions for firefighters

During fire, gases hazardous to health may be formed. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

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. Ensure adequate ventilation. 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. Should not be released into the environment. 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.
 This material and its container must be disposed of as hazardous waste. 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 get this material in contact with eyes. Do not taste or swallow. Avoid contact with skin. 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.

Storage

CAUTION Keep away from heat, sparks and open flame. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the MSDS). Use care in handling/storage

8. Exposure Controls / Personal Protection

Engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. 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. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Wear eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield. Avoid contact with eyes.

Eye / face protection

Skin protection

Respiratory protection

Wear appropriate chemical resistant clothing
 In case of insufficient ventilation, wear suitable respiratory equipment.

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

Appearance	Liquid
Color	Colorless or light yellow
Physical state	Liquid.
pH	7 - 9 (10% in H ₂ O)
Freezing point	28.4 °F (-2 °C)
Flash point	> 201 °F (> 93.9 °C) Pensky-Martens Closed Cup
Specific gravity	1.030 (@25 C)

10. Stability & Reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

11. Toxicological Information

Toxicological data

Product	Test Results
Padapon SE-230	Acute Dermal LD ₅₀ Rabbit: > 2000 mg/kg Acute Oral LD ₅₀ Rat: > 2000 mg/kg
Sensitization	Not classified.
Acute effects	May be harmful if swallowed. May be harmful in contact with skin.
Local effects	Irritating to eyes.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Chronic effects	Prolonged inhalation may be harmful.
Skin corrosion/irritation	Causes skin irritation. Prolonged skin contact may cause temporary irritation.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive effects	This product is not expected to cause reproductive or developmental effects.
Symptoms and target organs	Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

12. Ecological Information



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Ecotoxicological data

Product

Padapon SE-230

Test Results

LC50 Fish: 2.3 mg/l 96 hours STEOL CS-230 PCK

NOEC Algae: 0.9 mg/l 72 hours

NOEC Crustacea: 0.34 mg/l 21 days

NOEC Fish: 0.12 mg/l 28 days

Toxic to aquatic life with long lasting effects.

Accumulation in aquatic organisms is expected.

Readily biodegradable.

No data available.

Ecotoxicity

Persistence / degradability

Bioaccumulation /

Accumulation

Mobility in environmental media

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

Contract with a disposal operator licensed by the Law on Disposal and Cleaning. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations. Dispose of contents/container (in accordance with related regulations). When your own wastewater treatment plant is not available, collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste.

Waste from residues / unused products

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

Reportable Quantity (RQ) of this product is 3571429 pounds based upon 1,4-dioxane(123-91-1) which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ / % of that ingredient in the product. CERCLA (Superfund) reportable quantity

16. Other Information

Recommended restrictions
 HMIS® ratings

NFPA ratings

Disclaimer

For industrial use only.

Health: 2

Flammability: 1

Physical hazard: 0

Personal protection: X

Health: 2

Flammability: 1

Instability: 0

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Issue date

05-12-2014