



MATERIAL SAFETY DATA SHEET (MSDS)

Product Name:	AMPHONIL CF+	Document code:	PSJ-RD-FR-22-00
Chemical name:	Cocamidopropyl Betaine	Revision number:	00
Chemical class:	Amphoteric (carboxybetaine)	Revision date:	

COMPANY IDENTIFICATION

Manufacturer: PADIDEH SHIMI JAM CO.

Tell: +98(21)88580000

Address: No.16, Western Fourth Golbarg St., Baharestan St., Dadman Blvd., TEHRAN, IRAN

HAZARDS IDENTIFICATION

Emergency overview

Moderately irritating to the eyes. Contact with skin may cause irritation. May cause irritation of respiratory tract.

Potential health effects

Eyes: Moderately irritating to the eyes.

Skin: This product may cause irritation to the skin.

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.

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
Cocoamidopropyl Betaine	61789-40-0	30 - 32 %
Sodium chloride	7647-14-5	4 - 6 %
Water	7732-18-5	63 - 67 %
Glycerin	56-81-5	< 3%

FIRST AID MEASURES

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

Skin contact

For skin contact flush with large amounts of water. Immediately take off all contaminated clothing. If irritation persists get medical attention. Wash clothing separately before reuse.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If symptoms persist, get medical attention. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion

If ingestion of a large amount does occur, seek medical attention. Do NOT induce vomiting.

FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

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

Protection of firefighters

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.





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ACCIDENTAL RELEASE MEASURES

Personal precautions

Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods for containment

Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal.

HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Storage

Store in cool place. Keep in a well-ventilated place. Keep at temperatures between 10C and 40C.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits ACGIH

Components	Type	Value	Form
Glycerin (56-81-5)	TWA	10 mg/m3	Mist.

U.S. - OSHA

Components	Type	Value	Form
Glycerin (56-81-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
	TWA	5 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

Engineering controls

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal protective equipment

General Eye

wash fountain and emergency showers are recommended.

Eye / face protection

Wear chemical goggles. Face-shield.

Skin protection

Wear suitable protective clothing. Use impervious gloves.

Respiratory protection

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.





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PHYSICAL & CHEMICAL PROPERTIES

Physical state	Liquid.
Form	Liquid.
pH	4.0 – 6.0
Freezing point	-10 °C
Boiling point	100 °C
Evaporation rate	Estimated slower than ethyl ether.
Vapor pressure	Not Determined or Unknown
Vapor density	Estimated heavier than air.
Specific gravity	1.04 – 1.05 g/ml (25 C)
Pour point	-7 °C
Viscosity	100 cps (25 C) Max
Percent volatile	63 - 67 %

STABILITY & REACTIVITY

Chemical stability

Stable at normal conditions.

Incompatible materials

Strong oxidizing agents This product may react with strong alkalies.

Hazardous decomposition products

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

Possibility of hazardous reactions

Will not occur.

TOXICOLOGICAL INFORMATION

Toxicological data

Product	Test Result
Amphonil CF+	Acute Oral LD50 Rat: 5000 - 15000 mg/kg

* Estimates for product may be based on additional component data not shown.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Mutagenicity

Not mutagenic in AMES Test.

ECOLOGICAL INFORMATION

Not available.

DISPOSAL CONSIDERATIONS

Disposal instructions

Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.





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TRANSPORT INFORMATION

Notes

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

REGULATORY INFORMATION

Reportable Quantity

There is no calculable reportable quantity (RQ) for this product.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

- Section 302 extremely hazardous substance No
- Section 311 hazardous chemical No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances(PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

* "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

US - Pennsylvania RTK - Hazardous Substances	Listed substance
Glycerin (56-81-5)	Listed.

OTHER INFORMATION

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

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

NFPA ratings

Health: 1
Flammability: 1
Instability: 0





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OTHER INFORMATION

Disclaimer

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