

1. Product and Company Identification

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Product Name Cocamidopropyl Betaine
Part Number RXSOL-12-1585-250

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Product name	Cas No	EC No	Weight	Formula
COCAMIDOPROPYL BETAINE	61789-40-0	263-058-8	342.524 g·mol ⁻¹	C ₁₉ H ₃₈ N ₂ O ₃

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	H318: Causes serious eye damage. H412: Harmful to aquatic life with long lasting effects.
Precautionary statements	P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor.
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
Other hazards	This product is not identified as a PBT/vPvB substance

4. First Aid Measures

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General advice	Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises
If inhaled	No data available
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
Swallowed	No data available
Skin Contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. If breathed in, move person into fresh air. If not breathing, give

Ingestion

artificial respiration. If inhaled and feeling unwell, move patient to clean air zone and seek medical attention. Keep the affected person warm and at rest. Consult a doctor.

Most important symptoms and effects, both acute and delay

Do not induce vomiting. Never give anything by mouth to an unconscious person. Provide warmth, rest and fresh air. Rinse mouth with water. Give 1 cup of water to drink every 10 minutes. If vomiting occurs, keep head low so that stomach content doesn't get into lungs.

Indication of any immediate medical attention and special treatment needed

There may be irritation and redness at the site of contact. There may be irritation and pain. The eyes may water profusely. May cause permanent damage. There may be soreness and redness of the mouth and throat. May cause irritation of the digestive tract. There may be vomiting. There may be irritation of the throat with a feeling of tightness in the chest.

No data available

5. Fire-fighting Measures

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Flammability

No data available

Suitable extinguishing media

Water spray. Dry chemical powder. Alcohol resistant foam. Carbon dioxide.

Unsuitable extinguishing media

No data available

Special hazards arising from the substance or mixture

In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. Containers can burst violently when heated, due to excess pressure build up.

Further information

No data available

Hazardous combustion products

No data available

Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Wear protective clothing to prevent contact with skin and eyes. Use water spray to cool unopened containers.

Protective Equipment

No data available

Specific Hazards Arising from the Chemical

No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapours, mist or gas.

Spillage

No data available

Personal Protection

No data available

Environmental Precaution

Prevent further leakage or spillage if safe to do so. Discharge into environment must be avoided. Do not let product enter drains.

Methods and materials for containment and cleaning

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion

No data available

Incompatible materials

No data available

Hygiene measures

No data available

Advice on safe handling

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted

Conditions for safe storage including any incompatibilities	level. Container must be kept tightly closed. Wash thoroughly after handling Do not eat, drink or smoke while using this product. Remove contaminated clothing and protective equipment before entering eating areas
Storage conditions	No data available
Storage class	Store between 5 - 40C. Store in accordance with local regulations. Keep only in the original container in a cool, well ventilated area. Store locked up. Protect from light, including direct sunrays. Store in correctly banded mild steel tanks, or plastic drums/IBC's. Solution will solidify at low temperatures; heated storage may be needed.
Specific end use(s)	No data available
Advice on general occupational hygiene	No other specific uses stipulated other than the uses mentioned in section 1.2.
	No data available

8. Exposure controls and personal protection

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Environmental	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce the emissions to acceptable levels.
Engineering Control	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday. Avoid contact with skin, eyes and clothing. Available
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards.
Body Protection	Chemical resistant, impervious gloves. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with application laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Skin protection	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Promptly remove any clothing that becomes contaminated. Have eye wash bottle or eye rinse ready at work place.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
Other Protection Measure	No data available

9. Physical and chemical properties

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Physical state	Liquid
Colour	Pale yellow
Odour	Mild
Odor Threshold	No data available
pH	4.5 - 5.5
Melting Point	~ 0
Boiling Point	100
Flash Point	> 100
Evaporation Rate	No data available

Flammability (solid, gas)	No data available
Explosive limits	No data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	No data available
Viscosity	No data available
Density	No data available.
Relative Density	1.05
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	Soluble
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	Stable under recommended transport or storage conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	No data available
Hazardous decomposition products	In combustion emits toxic fumes. In the event of fire: see section 5

11. Toxicological information

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Acute toxicity	No data available
Skin corrosion/irritation	There may be irritation and redness at the site of contact.
Serious eye damage/irritation	There may be irritation and pain. The eyes may water profusely. May cause permanent damage.
Respiratory or skin sensitization	There may be soreness and redness of the mouth and throat. May cause irritation of the digestive tract There may be vomiting. There may be irritation of the throat with a feeling of tightness in the chest.
Carcinogenicity	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Additional Information	No data available

12. Ecological information

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Persistence and degradability	This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of the detergent manufacturer.
Toxicity to fish	FISH 96H LC50 1 - 10 mg/l
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	No data available
Toxicity to bacteria	No data available

Toxicity to algae	No data available
Bioaccumulation potential	No data available
Mobility in soil	Soluble in water.
Results of PBT and vPvB assessment	This product is not identified as a PBT/vPvB substance.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	Harmful to aquatic organisms.

13. Disposal considerations

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Disposal operations	Transfer to a suitable container and arrange for collection by specialised disposal company. Offer surplus and non-recyclable solutions to a licensed disposal company. Do not allow runoff to sewer, waterway or ground. Uncleaned empty packages should be disposed of in the same manner as the contents.
Disposal of packaging	Dispose of as normal industrial waste. NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
Waste treatment Method	No data available

14. Transport information

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UN number	ADR/RID:	IMDG:	IATA:
UN proper shipping name	ADR/RID:	IMDG:	IATA:
Transport hazard class(es)	ADR/RID:	IMDG:	IATA:
Packaging group	ADR/RID:-	IMDG:-	IATA:-
Environmental hazards	ADR/RID:No	IMDG:No	IATA:No
Special precautions for user	No data available		
Further information	No data available		

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	No data available
Chemical Safety Assessment	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. Other information

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Other Information	<p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.</p>
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