

1. Product and Company Identification

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Product Name 2-Acrylamido 2-methylpropanesulfonic Acid ATBS
Part Number RXSOL-81-8186-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight	Formula
2-Acrylamido 2-methylpropanesulfonic Acid	15214-89-8	239-268-0	400 °C at 1013,250 hPa	
Decomposition temperature	No data available			
Viscosity,kinematic	No data available			
Vapour pressure	< 0,1 hPa at 25 °C			
Density	1,36 g/cm3 at 20 °C			
Relative Vapour Density	No data available			
Freezing point	No data available			
Specific Gravity	No data available			
Partition coefficient	3,7 at 20 °C			
Explosive properties	No data available			
Solubility	500 g/l at 20 °C -			
Ignition temperature	No information available.			
Particle characteristics	No data available			

10. Stability and reactivity

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Reactivity	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Stability	The product is chemically stable under standard ambient conditions (room temperature) . Contains the following stabilizer(s): hydroquinone monomethyl ether (0,0002 %)
Possibility of hazardous reactions	Violent reactions possible with: Strong oxidizing agents strong alkalis with Water polymerization
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous Polymerization	In the event of fire: see section 5

11. Toxicological information

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Acute toxicity	Acute toxicity estimate Oral - 1.831 mg/kg (Calculation method) LD50 Oral - Rat - male - 1.830 mg/kg (OECD Test Guideline 401) Acute toxicity estimate Inhalation - 4 h - 1,51 mg/l - dust/mist(Calculation method) Acute toxicity estimate Inhalation - 1,51 mg/l - dust/mist (Expert judgment) Symptoms: Possible damages:, mucosal irritations Dermal: No data available
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 24 h Remarks: (ECHA)
Serious eye damage/eye irritation	Eyes - Rabbit Result: Eye irritation Remarks: (ECHA)
Respiratory or skin sensitization	Buehler Test - Guinea pig Result: negative Remarks: (ECHA)
Carcinogenicity	No data available
Germ cell mutagenicity	Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: Positive results were obtained in some in vitro tests. Test Type: Ames test Test system: Escherichia coli/Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative Test Type: Chromosome aberration test Species: Rat Cell type: Bone marrow Application Route: Oral Method: OECD Test Guideline 475 Result: negative
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	Inhalation - May cause respiratory irritation. - Lungs Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Special Remarks on other Toxic Effects on Humans	Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)
Additional Information	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

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Persistence and degradability	Biodegradability aerobic - Exposure time 44 d Result: < 10 % - Not readily biodegradable.
Bioaccumulative potential	No data available
Toxicity to fish	Static test LC50 - Lepomis macrochirus (Bluegill sunfish) - 170 mg/l - 96 h (US-EPA)
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - Daphnia magna (Water flea) - 340 mg/l - 48 h (US-EPA)
Toxicity to algae	Static test NOEC - Pseudokirchneriella subcapitata - 2.000 mg/l - 96 h (OECD Test Guideline 201)
Toxicity to bacteria	Respiration inhibition NOEC - activated sludge - 1.000 mg/l - 3 h (OECD Test Guideline 209)
Mobility in soil	No Information available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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	Discharge into the environment must be avoided.

13. Disposal considerations

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Disposal methods

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Dispose of as unused product.

Waste treatment Method

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

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

Tunnel restriction code : (C/E)

Further information

Not classified as dangerous in the meaning of transport regulations.

Transport in bulk according to IMO instruments

No data available

15. Regulatory information

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Inventory status

Components are on the following inventories: Polymaleic acid: - US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippine PICCS and Chinese Xi irritant R 36/38 Irritant to eyes & skin R 41 Risk of serious damage to eyes S24/25 Avoid contact with skin and eyes S26/28 In case of contact eyes & skin, rinse with plenty water and seek medical advice Section 312/313: Not listed. Not listed under California proposition 65.

Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other regulations

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16. Other information

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Other Information

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.

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