

Roscoflamex PC

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SAFETY DATA SHEET

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Clear liquid.
Colour	: Clear, colorless.
Odour	: Ammonia odor.
Odour threshold	: Not available.
pH	: 6.8
Flash point	: Not applicable.
Flashpoint (Method)	: Not applicable.
Lower flammable limit (% by vol.)	: Not applicable.
Upper flammable limit (% by vol.)	: Not applicable.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: 100°C
Oxidizing properties	: Not applicable
Explosive properties	: Not explosive
Initial boiling point and boiling range	: 100°C
Melting/Freezing point	: 0°C
Relative density	: 1.04
Solubility in water	: Soluble
Other solubility(ies)	: Not available.
Vapour pressure	: Not available.
Vapour density	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: 0.628
Evaporation rate (BuAe = 1)	: Not available.
Particle characteristics	: Not applicable.

9.2 Other Information

Volatiles (% by weight)	: 91 %
Volatile organic Compounds (VOC's)	: Not available.
Other physical/chemical comments	: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	: Not normally reactive.
10.2 Chemical stability	: Material is stable under normal conditions.
10.3 Possibility of hazardous reactions	: Hazardous polymerization does not occur.
10.4 Conditions to avoid	: Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. Avoid exposure to light.

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10.5 Incompatible materials

: Strong acids and oxidizing agents; Strong bases

10.6 Hazardous decomposition products

: In the event of fire the following can be released: Ammonia

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects:

Acute toxicity : According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical.

Skin corrosion/Irritation : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/irritation

: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

: Not expected to be a skin or respiratory sensitizer.

Germ cell mutagenicity : Not expected to be mutagenic in humans.

Carcinogenicity : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive toxicity : Not expected to cause reproductive effects.

STOT-single exposure : According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through a single exposure.

STOT-repeated exposure : According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through repeated exposures.

Aspiration hazard : According to the classification criteria of the European Union, this product is not considered as being an aspiration hazard to humans.

Routes of exposure : Skin contact, eye contact, inhalation.

Effects of acute exposure : Inhalation :Mild respiratory irritant

Eye contact :Direct eye contact may cause slight or mild, transient irritation.

Skin contact:May cause mild skin irritation on prolonged contact.

Ingestion: Not an expected route of entry under normal conditions of use.

Potential Chronic Health Effects

: Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

11.1.1 Acute Toxicity

Toxicological data : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Ammonium amidosulfonate	N/Av	2 g/kg	N/Av

11.2 Information on other Hazards

: None known.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity : Avoid release to the environment. See the following tables for individual ingredient ecotoxicity data.

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Ecotoxicity data:

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Ammonium amidosulfonate	7773-06-0	>100mg/L (Rainbow trout)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Ammonium amidosulfonate	7773-06-0	>100 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Ammonium amidosulfonate	7773-06-0	86 mg/L (Green algae)	N/Av	None.

12.2 Persistence and degradability

: No information available.

12.3 Bioaccumulation potential

: No information available.

Components

Partition coefficient n-octanol/water (log Kow)

Bioconcentration factor (BCF)

Ammonium amidosulfonate (CAS 7773-06-0)	-4.34	N/Av
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12.4 Mobility in soil : No information available.

12.5 Results of PBT and vPvB assessment

: This mixture contains no substance(s) above reportable levels which are considered to be persistent, bioaccumulating nor toxic (PBT), or very persistent and very bioaccumulating (vPvB).

12.6 Endocrine disrupting properties

:

12.7 Other Adverse Environmental effects

: No information available.

12.8 Additional information :

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Handling for Disposal : Handle waste according to recommendations in Section 7.

Methods of Disposal : Dispose of in accordance with the European Directives on waste and hazardous waste. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

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SECTION 14. TRANSPORTATION INFORMATION

<i>Regulatory Information</i>	14.1 UN Number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing Group	<i>Label</i>
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
ADR/RID	None.	not regulated	not regulated	none	
ADR/RID Additional information	Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.				

14.5 Environmental hazards : This substance does not meet the criteria for an environmentally hazardous substance according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

14.6 Special precautions for user

: None known or reported by the manufacturer.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not available.

SECTION 15. REGULATORY INFORMATION

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

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: Classification according to Regulation (EC) No. 1272/2008 on the classification of hazardous mixtures.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: None of the components are specifically listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended :None of the components are specifically listed.

Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances: None of the components are specifically listed.

Directive 94/33/EC on the protection of young people at work: None of the components are specifically listed.

Directive 98/24/EC on the protection of the health and safety of workers from risks related to chemical agents at work: None of the components are specifically listed.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended [including Regulation (EU) 2015/830].

German legislation on water endangering substances VwVwS. Water hazard class (Germany) (0self classified)

15.2 Chemical safety assessment

: A chemical safety assessment has not been carried out by the Manufacturer of this product.

SECTION 16. OTHER INFORMATION

Legend

: ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstract Services
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EC: European Community
EC50: Effective Concentration 50%
ECHA: European Chemicals Agency
EEC: European Economic Community
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
NOEC: No observable effect concentration
OECD: Organisation for Economic Co-operation and Development
OEL: National occupational exposure limits
PEL: Permissible exposure limit
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
RTECS: Registry of Toxic Effects of Chemical Substances
TWA: Time Weighted Average

Information Source

: 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
2. ECHA - European Chemical Agency
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases
4. Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists
6. California Proposition 65 List
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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Revision Information

: (M)SDS sections updated 3. COMPOSITION/INFORMATION ON INGREDIENTS
8. EXPOSURE CONTROLS / PERSONAL PROTECTION 11. TOXICOLOGICAL
INFORMATION

Regulation and Procedure :

not regulated ;Expert judgement

H-phrases (full-text)
None.

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

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