Material Safety Data Sheet

Antioxidant A 1076 (RXSOL-81-8161-025)

1. Product and Company Identifaction

Product Name	Antioxidant A 1076
Product Type	RXSOL-81-8161-025

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point ::: Fujairah, Muscat, Mumbai, Chennai, Surat, Vizag, Kolkata

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2. Composition / informationon ingredients

CAS Number	Content(W/W)	Chemical name
2082-79-3	80.0 - 90.0 %	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-,octadecyl ester
Proprietory Blend	10-20	Proprietory

3. Hazards Identification

Emergency overview

CAUTION:
May cause sensitization by skin contact.
Inhalation may cause respiratory irritation.
Refer to MSDS Section 7 for Dust Explosion information.

State of matter: solid
Colour: white
Odour: odourless

Potential health effects

Primary routes of exposure:
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Irritation / corrosion:
Not irritating to the skin.

Chronic toxicity:

Carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

Potential environmental effects

Aquatic toxicity:
No toxic effects occur within the range of solubility.

4. First Aid Measures

General advice:	Immediately remove contaminated clothing.
If inhaled:	If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.
If on skin:	Wash affected areas thoroughly with soap and water. Seek medical attention.
If in eyes:	Wash affected eyes for at least 15 minutes under running water with eyelids held open.Seek medical attention.
If swallowed:	Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.
Note to physician	Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting Measures

Flash point:	273 °C (DIN 51584)
Flammability:	not highly flammable
Self-ignition temperature:	not self-igniting
Suitable extinguishing media:	dry powder, carbon dioxide, alcohol-resistant foam
Unsuitable extinguishing media for safety reasons:	water jet
Hazards during fire-fighting:	harmful vapours Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.
Protective equipment for fire-fighting:	Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
Further information:	Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

6. Accidental Release Measures

Personal precautions:
Avoid dust formation. Use personal protective clothing.

Environmental precautions :
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:
Avoid raising dust.
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Contain with dust binding material and dispose of.

7. Handling and Storage

Handling

General advice :
Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion :
Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice :
Keep container tightly closed and dry; store in a cool place.

Storage stability :
Storage temperature: = 35 °C

Temperature tolerance:
Protect from temperatures below: 0 °C
Protect from temperatures above: 40 °C

8. Exposure controls and personal protection

Personal protective equipment:

Respiratory protection:	Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
Hand protection:	Chemical resistant protective gloves

Eye protection:	Safety glasses with side-shields.
Body protection:	Impermeable protective clothing
General safety and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	Granules, fine
Odour:	Odourless
Colour:	white
pH value:	5.7 (1 %(m), 20 - 25 °C) (as suspension)
Melting point:	50 - 55 °C
Boiling point:	not applicable
Vapour pressure:	26.6 Pa (250 °C)
Density:	1.02 g/cm3 (25 °C)
Partitioning coefficient n-octanol/water (log Pow):	> 6 (20 - 25 °C)
% volatiles:	0.5 %
Solubility in water:	practically insoluble
Molar mass:	530.87 g/mol

10. Stability and reactivity

Dust explosion class:	Dust explosion class 2 (Kst-value 200 up to 300 bar m s-1) (St2)
Conditions to avoid:	Avoid electro-static discharge.
Substances to avoid:	strong acids, strong bases, strong oxidizing agents
Hazardous reactions:	Dust explosion hazard.
Decomposition products:	Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition:	> 350 °C
Oxidizing properties :	not fire-propagating

11. Toxicological information

Acute toxicity:
Dermal:
Type of value: LD50
Species: rabbit
Value: > 2,000 mg/kg

Irritation / corrosion:
Skin:
Species: rabbit
Result: non-irritant

Eye:
Species: rabbit
Result: non-irritant

Species: cat
Result: non-irritant

Sensitization:
Species: guinea pig
Result: Non-sensitizing.
Species: human
Possible weak sensitizer.

Other Information:
Contact allergenic properties have not been observed in test animals (guinea pigs). In humans workroom temperatures of about 40°C and

profuse sweating might exacerbate potential irritancy and rashes may develop.

12. Ecological information

Fish:

Acute:
Fish/LC50 (96 h): > 100 mg/l

Aquatic invertebrates:

Acute:
Daphnia magna/EC50: > 100 mg/l

Aquatic plants:
Toxicity to aquatic plants:
Algae/EC50 (72 h): > 30 mg/l
Tested above maximum solubility. No toxic effects occur within the range of solubility. No effects at the highest test concentration.

Microorganisms:
Toxicity to microorganisms:
activated sludge/EC50 (3 h): > 100 mg/l

Degradability / Persistence:
Biological / Abiological Degradation:

Evaluation:
Moderately/partially biodegradable.

Other adverse effects:
The local regulations on waste-water treatment must be followed.

13. Disposal considerations

Waste disposal of substance:
Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

Container disposal:
Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport information

Land transport:
USDOT
Not classified as a dangerous good under transport regulations

Sea transport:
IMDG
Not classified as a dangerous good under transport regulations

Air transport:
IATA/ICAO
Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

OSHA hazard category:
Sensitizer;

EPCRA 311/312 (Hazard categories):
Acute; Chronic

16. Other information

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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