

1. Product and Company Identification

www.rxmarine.com

Product Name Retarder Gypsum Admixture
Part Number RXSOL-19-1518-025

Company Details:

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

Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore.

Phone +91 22 27815540 / 41 / 42
Fax +91 22 2781 1318 :::AOH :0091 9821214367
Email 123@rxmarine.com
Website www.rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

Proprietary blend of gypsum retarders. No hazardous material

3. Hazards Identification

www.rxmarine.com

Classification of the substance or mixture Not a hazardous substance or mixture according to Regulation (EC). No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.
Label elements This substance is not classified as dangerous according to Directive 67/548/EEC.
Other Hazard None

4. First Aid Measures

www.rxmarine.com

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact Wash off with soap and plenty of water.
In case of eye contact Flush eyes with water as a precaution.
If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water.
Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed No Data Available

5. Fire-fighting Measures

www.rxmarine.com

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Carbon oxides, Sodium oxides
Advice for firefighters	Wear self contained breathing apparatus for fire fighting if necessary.
Further information	No data available

6. Accidental Release Measures

www.rxmarine.com

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment see section 8.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

www.rxmarine.com

Precautions for safe handling	Advice on safe handling . Observe label precautions. Hygiene measures Change contaminated clothing. Wash hands after working with substance.
Storage	Conditions for safe storage, including any incompatibilities, Storage conditions Tightly closed. Dry. Recommended storage temperature see product label.
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls and personal protection

www.rxmarine.com

Engineering measures	Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7.1.
Individual protection measures	Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier. Eye/face protection. Safety glasses . Hand protection. Full contact: Glove material: Nitrile rubber Glove thickness: 0.11 mm Break through time: > 480 min splash contact: Glove material: Nitrile rubber Glove thickness: 0.11 mm Break through time: > 480 min The protective gloves to be used must comply with the specifications of EC Directive

Respiratory protection

Required when dusts are generated. : Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances. The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Environmental exposure controls

Do not let product enter drains.



Gloves Suit

9. Physical and chemical properties

www.rxmarine.com

Form	Powder, finecrystalline
Colour	White
Odour	Odourless
Odor Threshold	Threshold Not applicable
pH	7.0 - 8.0 at 100 g/l 20 °C
Melting Point	170 - 175 °C
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	No information available.
Flammability (solid, gas)	No Data Available
Explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour Density	No Data Available
Specific Gravity	1.98 g/cm ³ at 20 °C
Partition coefficient	No data available
Explosive properties	None
Water Solubility	590 g/l at 25 °C
Auto Ignition temperature	No information available.

10. Stability and reactivity

www.rxmarine.com

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).
Possibility of hazardous reactions	Violent reactions possible with: Strong oxidizing agents
Conditions to avoid	Strong heating (decomposition).
Incompatible materials	No information available
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

www.rxmarine.com

Acute oral toxicity	LD50 Rat: > 2,000 mg/kg (Lit.)
Acute inhalation toxicity	This information is not available.
Acute dermal toxicity	This information is not available.
Skin irritation	This information is not available.
Eye irritation	This information is not available.
Sensitisation	This information is not available.
Carcinogenicity	This information is not available.
Reproductive toxicity	This information is not available.
Teratogenicity	This information is not available.
Specific target organ toxicity - single exposure	This information is not available.
Further Information	Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

www.rxmarine.com

Toxicity	LC50 <i>Leuciscus idus</i> (Golden orfe): > 10,000 mg/l; 48 h (External MSDS) LC0 <i>Oryzias latipes</i> (Orange-red killifish): > 100 mg/l; 96 h OECD Test Guideline 203. Toxicity to daphnia and other aquatic invertebrates EC0 <i>Daphnia magna</i> (Water flea): > 1,000 mg/l; 48 h OECD Test Guideline 202 Toxicity to algae : IC50 <i>Pseudokirchneriella subcapitata</i> (green algae): > 1,000 mg/l; 72 h (External MSDS) Toxicity to bacteria EC0 <i>Pseudomonas putida</i> : > 5,000 mg/l; 16 (External MSDS)
Persistence and degradability	Biodegradability 89 %; 28 d OECD Test Guideline 301D Readily biodegradable
Bioaccumulative potential	The Safety Data Sheets for catalogue items are available at www.rxmarine.com Page 11 of 12 Partition coefficient: n-octanol/water log Pow: -5.99 (calculated) (Lit.) Bioaccumulation is not expected.
Mobility in soil	No Information available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	Additional ecological information Discharge into the environment must be avoided.

13. Disposal considerations

www.rxmarine.com

Waste treatment Method	Waste material must be disposed of in accordance with the national and
------------------------	--

local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

www.rxmarine.com

Land transport (ADG):	Not classified as dangerous in the meaning of transport regulations.
Air transport (ICAO-IATA / DGR)	Not classified as dangerous in the meaning of transport regulations.
Sea transport (IMDG-Code / GGVSee)	Not classified as dangerous in the meaning of transport regulations.
Hazard	No
Marine pollutant	No

15. Regulatory information

www.rxmarine.com

Federal and State Regulation	Safety, health and environmental regulations/legislation specific for the substance or mixture , National legislation
Chemical safety assessment	Storage class : 10 - 13 For this product a chemical safety assessment was not carried out.

16. Other information

www.rxmarine.com

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.

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.