Material Safety Data Sheet

Retarder Gypsum Admixture (RXSOL-67-6706-020)

1. Product and Company Identifaction

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 / informationon ingredients

Proprietory blend of gypsum retarders. No hazardous material

3. Hazards Identification

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

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

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

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

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

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 entrepeneur 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

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/cm3 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

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

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

Toxicity	LC50 Leuciscus idus (Golden orfe): > 10,000 mg/l; 48 h (External MSDS) LC0 Oryzias latipes (Orange-red killifish): > 100 mg/l; 96 h OECD Test Guideline 203.Toxicity to daphnia and other aquatic invertebrates EC0 Daphnia magna (Water flea): > 1,000 mg/l; 48 h OECD Test Guideline 202 Toxicity to algae : IC50 Pseudokirchneriella subcapitata (green algae): > 1,000 mg/l; 72 h (External MSDS) Toxicity to bacteria EC0 Pseudomonas putida: > 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

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

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

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

16. Other information

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 weassume 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 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.