

# Material Safety Data Sheet

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



## 1. Product and Company Identification

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

Company Details:  
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## 2. Composition / information on ingredients

Proprietary 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.<br><br>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.<br>Eye/face protection. Safety glasses . Hand protection. |
| Individual protection measures | Full contact: Glove material: Nitrile rubber<br>Glove thickness: 0.11 mm<br>Break through time: > 480 min<br>splash contact:<br>Glove material: Nitrile rubber<br>Glove thickness: 0.11 mm<br>Break through time: > 480 min<br>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

|                           |                                 |
|---------------------------|---------------------------------|
| 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 <sup>3</sup> 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<br>OECD Test Guideline 203. Toxicity to daphnia and other aquatic invertebrates EC0 Daphnia magna (Water flea): > 1,000 mg/l; 48 h<br>OECD Test Guideline 202<br>Toxicity to algae : IC50 Pseudokirchneriella subcapitata (green algae): > 1,000 mg/l; 72 h (External MSDS)<br>Toxicity to bacteria EC0 Pseudomonas putida: > 5,000 mg/l; 16 (External MSDS) |
| Persistence and degradability      | Biodegradability<br>89 %; 28 d<br>OECD Test Guideline 301D<br>Readily biodegradable                                                                                                                                                                                                                                                                                                                                                                                                              |
| Bioaccumulative potential          | The Safety Data Sheets for catalogue items are available at <a href="http://www.rxmarine.com">www.rxmarine.com</a><br>Page 11 of 12<br>Partition coefficient: n-octanol/water<br>log Pow: -5.99<br>(calculated)<br>(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<br>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                                                                   |

## 15. Regulatory information

Federal 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

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