

SAFETY DATA SHEET

SDS DATE: 3-1-2016



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **FlowSeal**

CAS: 9004-32

MANUFACTURER: Aquasol Corporation
ADDRESS: 730 N Anderson Rd, Rock Hill, SC 29730

EMERGENCY PHONE: 803-327-3833
E mail: Info@aquasolcorp.com
FAX PHONE: 866-402-0133

CHEMICAL FAMILY: Polysaccharides

RECOMMENDED USE: Fluid loss additive

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: None

IMMEDIATE CONCERNS: None

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation

SKIN: This product is unlikely to cause skin irritation

INGESTION: This product is unlikely to cause harmful effects from ingestion

INHALATION: May cause irritation to the respiratory tract if inhaled. May cause coughing, sneezing or nasal irritation.

ACUTE HEALTH HAZARDS: None.

CHRONIC HEALTH HAZARDS: Excessive inhalation or eye exposure over long periods may cause harmful irritation

SLIP HAZARD: If the material becomes wet, it could produce a slip hazard.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Particulate inhalation may lead to pulmonary problems.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	% WT
Polysaccharides	9004-32	

SECTION 4: FIRST AID MEASURES

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EYES: Immediately flush with large amounts of cold water, holding eye-lids open. Flush for 15 minutes if possible. Remove contact lenses if present.

SKIN: Rinse contact area with cold water. Remove contaminated clothing and wash with soap and water. If irritation develops seek medical attention.

INGESTION: Do not induce vomiting. Have exposed individual rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult physician if symptoms persist.

INHALATION: Move exposed person to fresh air and call 911. Give artificial respiration if not breathing and administer oxygen if breathing is difficult.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat Symptomatically. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. First aid responders are advised to wear protective equipment as found in section 8 of this SDS.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: No data available

AUTOIGNITION TEMPERATURE: No data available

EXTINGUISHING MEDIA: Use alcohol foam, CO₂, water fog, or dry chemicals when fighting fires involving this material. Do not use a direct stream if dust is formed. Dust dispersed by a direct stream in the presence of an ignition source could ignite.

SPECIAL FIRE FIGHTING PROCEDURES: Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal; do not scatter the material. Persons involved in fire-fighting response involving this product and its containers/packaging should refer to Section 8 of this SDS for the proper selection of exposure controls and personal protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust-air mixtures may be explosive. Avoid open flames, sparks etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides (CO_x).

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILLS: Wet material is slippery! Avoid generating and spreading of dust. Shovel into dry containers. Cover and move the containers. Wash away with water or vacuum with a high efficiency filter to recover and reuse the material. If product is contaminated, collect in suitable containers for disposal. Do not contaminate drainage or waterways. Repackage or recycle if possible.

ENVIRONMENTAL PRECAUTIONS: Prevent entry into waterways, sewers, basements or confined areas. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid allowing water runoff to contact spilled material. If sweeping of a contaminated area is necessary, use a dust suppressant agent that does not react with the product. Contaminated surfaces will be extremely slippery.

SPECIAL PROTECTIVE EQUIPMENT: In case of dust generation, wear goggles and ensure adequate ventilation and/or use breathing apparatus. Dust in high concentrations may form explosive mixtures with air. Review Sections 5 and 7 of this SDS with personnel before starting any cleanup operations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid dust generation. Ensure adequate ventilation or breathing apparatus before handling material. Gloves should be worn.

STORAGE: Store in dry conditions, do not let product get wet, wet material could produce a slip hazard. Store in original packaging, or appropriate alternative. If repackaged, label new packaging. Store at ambient temperature and pressure.

OTHER PRECAUTIONS: Keep away from ignition source.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide adequate general and local exhaust ventilation. Provide readily accessible eye wash stations and emergency showers. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

VENTILATION: Ensure area of use is well ventilated.

RESPIRATORY PROTECTION: Depending on airborne concentration, wear an OSHA approved N95 half-face dust respirator.

EYE PROTECTION: Employees should be provided with and required to use safety goggles where there is any possibility of product coming in contact with eyes. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of contact lenses. Ensure that an eye wash station is operable and nearby.

SKIN PROTECTION: Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. Remove contaminated clothing immediately, wash skin with soap and water, and launder clothing before reuse.

WORK HYGIENIC PRACTICES: Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove contaminated clothing and launder before reuse. Shower after work using plenty of soap and water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FORM: solid powder.

APPEARANCE: white to off white.

ODOR: odorless or no characteristic odor.

pH (2% solution): 8-10

BOILING POINT: No data available

MELTING POINT: No data available

FREEZING POINT: No data available

SPECIFIC GRAVITY: 1.5 typical

EVAPORATION RATE: No data available

FLAMABILITY LIMITS: No data available

AUTOIGNITION TEMPERATURE: No data available

FLASH POINT: No data available

SOLUBILITY IN WATER: 100%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable. Hazardous polymerization does not occur.

CONDITIONS TO AVOID: Ignition sources may cause exothermic reaction. Wet material can be a slip hazard.

MATERIALS TO AVOID: Oxidizing agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon oxides (COx)

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

ORAL LD50 (RAT): No data available

DERMAL LD50 (RABBIT): No data available

INHALATION LC50 (RAT): No data available

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CARCINOGENICITY:

NTP Not listed
IARC Not listed
OSHA Not listed

SENSITIZATION: No data available

NEUROTOXICITY: No data available

GENETIC EFFECTS: No data available

REPRODUCTIVE EFFECTS: No data available

TERATOGENIC EFFECTS: No data available

MUTAGENICITY: No data available

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: MOBILITY IN SOIL POTENTIAL - No data available

ECOTOXICOLOGICAL INFORMATION: TERRESTRIAL/MICROORGANISM TOXICITY –

ACUTE: No data available
CHRONIC: No data available

BIOACCUMULATION/ACCUMULATION: No data available

AQUATIC TOXICITY: No data available

CHEMICAL FATE INFORMATION: PERSISTENCE & DEGRADABILITY – Material breaks down naturally.

GENERAL COMMENTS: Any other adverse environmental effects, such as environmental fate (exposure), ozone depletion potential, photochemical ozone creation potential, endocrine disrupting potential, and global warming potential are indicated in this section if data exists. Otherwise, this data has not been established.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

PRODUCT DISPOSAL: Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that containers are empty by RCRA criteria prior to disposal in a permitted industrial landfill.

EMPTY CONTAINER: Empty containers may retain residues. All label precautions must be observed.

COMMENTS: Dispose of material in accordance with national, state, regional, and local regulations. Never discharge directly into sewers or surface water. Consult with environmental regulatory agencies for guidance on acceptable disposal practices for the product, in any form, and its containers/packaging.

SECTION 14: TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated as a dangerous good.

ROAD AND RAIL (ADR/RID)

SHIPPING NAME: Not regulated as a dangerous good.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated as a dangerous good.

VESSEL (IMO/MDG)

SHIPPING NAME: Not regulated as a dangerous good.

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SECTION 15: REGULATORY INFORMATION

UNITED STATES:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: None of the components are listed.

313 REPORTABLE INGREDIENTS: None of the components are listed.

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the components are listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components are listed and registered.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

CARCINOGEN: This product is not listed as a carcinogen under NTP, IARC, or OSHA.

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Not a controlled product.

SECTION 16: OTHER INFORMATION

REVISION SUMMARY: This SDS replaces the 06/16/2014 SDS.

NFPA

Health Hazard:	1
Fire Hazard:	1
Reactivity Hazard:	0

HMIS

Health Hazard:	1
Flammability:	1
Physical Hazard:	0

HMIS RATINGS NOTES: Please refer to Section 8 of this SDS for recommended personal protective equipment.

GENERAL STATEMENTS: Other information not included anywhere else in this SDS is included in this section if, in fact, such data exists.

MANUFACTURER DISCLAIMER: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.