SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product name:	**Aqua Surge**
Synonyms:	None
Product use:	Soil Wetting Agent
Product restrictions:	Not for human or animal consumption.
Manufacturer name:	Nutrient Technologies, Inc.
Address:	1092 E. Kamm Ave., Dinuba, CA 93618
General phone number:	(559) 595-8090
Transportation emergency #:	CHEMTREC: 800-424-9300

SECTION 2 – HAZARD(S) IDENTIFICATION

Signal word:	Danger
GHS Class:	Not Classified
Hazard statements:	Causes serious eye damage.

Precautionary Statements

Prevention:	Wear eye/face protection
Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Disposal:	Not Applicable

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	D-glucopyranose, oligomeric, decyl octyl glycosides
CAS Number	68515-73-1
Weight%	5-10%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

SECTION 4 – FIRST AID MEASURES

GENERAL FIRST AID STEPS

Eye contact:	CORROSIVE. Begin eye irrigation immediately. All eye exposures require medical evaluation following decontamination. Immediately rinse eyes with large quantities of water or saline for a minimum 30 minutes, longer irrigation time is preferred if possible. If possible, remove contact lenses being careful not to cause additional eye damage. If the initial water supply is insufficient, keep the affected area wet with a moist cloth and transfer the person to the nearest place where rinsing can be continued for the recommended length of time.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician if necessary.
Ingestion:	Do not induce vomiting without medical advice. Immediate medical attention is required. If victim is conscious, drink plenty of water and do not leave victim unattended. Vomiting may occur spontaneously. Seek medical advice.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED. (POTENTIAL ACUTE HEALTH EFFECTS)

Eye contact:	Corrosive to eyes. Causes serious eye damage.
Inhalation:	Pre-existing respiratory disorders may be aggravated by over-exposure to this product.
Skin contact:	Skin contact may aggravate existing skin disease.
Ingestion:	No known significant effects or critical hazards. Over-exposure by ingestion is unlikely under normal working conditions.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing media:	Suitable media includes: Dry chemical, CO2, foam, water spray. Unsuitable extinguishing media: High volume water jet.
Specific hazards arising from the chemical:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide, carbon monoxide.
Protective equipment:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Further Information:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear suitable protective equipment. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Spills should be reported to local agencies.
Methods for containment:	Stop leak if without risk. Move containers from spill area. m up with sand or inert earth (do not use combustible materials).
Methods for cleanup:	Soak up with inert absorbent materials. Shovel or sweep up. Keep in suitable, closed container for disposal. Never return spills to original containers for re-use. Dispose of in accordance with local regulations.

SECTION 7 – HANDLING and STORAGE

Precautions for handling:	Read label before use. Apply this product only as specified on the label. Do not handle until all safety precautions have been read and understood. Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Do not breathe vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
Precautions for storage:	Store in original container or corrosive-resistant and/or lined container. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep away from heat, sparks and flame. Store locked up. Keep container tightly sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store between the following temperatures: 39 - 120°F.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Occupational exposure limits:	Contains no substances with occupational exposure limit values.
Appropriate engineering controls:	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne. Ensure that eyewash stations and safety showers are close to workstation. Emergency equipment immediately accessible, with instructions for use.
Personal protective equipment:	Eye and face protection will vary dependent upon work, environmental conditions and material handling practices. Appropriate approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of safety glass with side-shields. When respirators are required, use approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Footwear protecting against chemicals; impervious clothing.

SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES

Form/appearance:	Liquid, brown
Odor:	Characteristic
Odor threshold:	No data available
Boiling point:	Not determined
Melting point/Freezing point:	<46.4° F
Flash point:	>96° F
Flammability:	Not Determined
Density:	1.02
Solubility:	Soluble in water
Vapor density:	Not determined
Vapor pressure	Not determined
Evaporation rate:	Not available
pH:	5.0-7.0
Viscosity:	10 mPa.s (25°C)
Partition coefficient: (n-octanol/water)	Not applicable

SECTION 10 – STABILITY and REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Conditions to avoid:	Keep away from heat and sources of ignition. Keep away from incompatible materials.
Incompatible materials:	Strong acids. Strong oxidizing agents.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity (Oral LD50):	Not classified as harmful if swallowed.
Acute Toxicity (Dermal LD50):	May cause irritation.
Acute Toxicity Inhalation LC50:	May cause irritation.

Likely routes of exposure:

Skin irritation:	May cause skin irritation.
Eye irritation:	Corrosive to eyes. Causes serious eye damage.
Skin sensitization:	Not available
Carcinogenic:	No known significant effects or critical hazards.
Chronic effects:	No known significant effects or critical hazards.
Other hazards:	Pre-existing respiratory disorders may be aggravated by over-exposure to this product.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Toxicity

Product/ingredient name	Result	Species	Exposure
D-glucopyranose, oligomers, decyl octyl glycosides	EC10 6.25 mg/l Fresh water	Algae	72 hours
	LC50 100.81 mg/l Fresh water	Fish	96 hours

Environmental fate:

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
D-glucopyranose, oligomers, decyl octyl glycosides	OECD 301E	100 % - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
D-glucopyranose, oligomers, decyl octyl glycosides	-	-	Readily

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
D-glucopyranose, oligomers, decyl octyl glycosides	-0.07	-	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal:	Follow disposal instructions on label. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Do not contaminate water, food, or feed by storage or disposal. Disposal should be in accordance with applicable regional, national and local laws and regulations. Triple or pressure-rinse the empty container. Add the rinsings to the product mixture in the tank.

SECTION 14 – TRANSPORT INFORMATION

UN transport shipping name:	Not regulated
Transport hazard class:	Not applicable
UN Identification number:	Not regulated
Packing group:	Not applicable
IATA Shipping name:	Not applicable

SECTION 15 – REGULATORY INFORMATION

Proprietary ingredients:	Not regulated
SARA 313:	SERIOUS EYE DAMAGE - Category 1

SECTION 16 – ADDITIONAL INFORMATION

HMIS rating:	
SDS revision date:	9-Jan-25