ALGART®
POWERAG™

SAFETY DATA SHEET
according to Federal Register Vol. 77, No. 58
Monday, March 26, 2012
Rules and Regulations
Issue date: 3/1/2024

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product name: AlgaRT
Other means of identification: Not applicable
Hazard components for labeling: None

1.2 Relevant Identified Uses

Relevant identified uses: Consumer uses [SU21]; Fertilizer [PC12]
Uses advised against: Not for consumption.

1.3 Guaranteed By

PowerAG
2213 Leabrook Road
Lancaster PA 17601
1-800-842-2578 powerag.com

1.4 Emergency Telephone Number

Emergency number: 1-800-424-9300 ChemTrec

1.5 Date of Issue

March 1, 2024

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance

This product does not meet the criteria for classification in any hazard class according to 29 CFR 1910.1200 on classification, labeling and packaging of substances and mixtures.

2.2 Label elements

Labeling according to 29 CFR 1910.1200
Hazard pictograms: No pictograms
Signal word: No signal words
Hazard statements: No hazard statements
Precautionary statements: No precautionary statements
Supplemental Hazard information: No supplementary hazard information.
Special rules for supplemental label elements for certain mixtures: None known.
Additional labeling:
Keep out of reach of children
This product does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, observe good industrial hygiene practices. Do not breath spray. Wash face, hands and skin thoroughly after handling. Wear protective gloves, clothing and eye protection. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water. IF INHALED: If breathing is difficult, move to fresh air and rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

2.3 Other hazard

None known.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixture

Description of the mixture: Aqueous liquid blend of fulvic minerals and seaweed extract.

Hazardous ingredients

This mixture does not, within the current knowledge of the supplier, contain substances above their cutoff concentration limit fulfilling the criteria of hazard classes according to the 29 CFR 1910.1200 regulation or present a health risk below the cutoff concentration limit. Substances that do not fall within classification criteria are not specified in this document to protect confidentiality.

SECTION 4: FIRST AID MEASURED

4.1 Description of first aid measures

General information

Take precautions to ensure your own safety when helping another person. Always wear appropriate personal protective equipment (see Section 8). If medical advice is needed, have Safety Data Sheet or product label at hand and provide treatment already administered.

Following inhalation

IF exposed or concerned: Get medical advice.

Following skin contact

Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice.

Following eye contact

If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes while holding eyelids open. If eye irritation persists: Get medical advice.

Following ingestion

If you feel unwell or if concerned: Get medical advice.

Self-protection of the first aider:

No additional information.

4.2 Most important symptoms and effects, both acute and delayed.

None known.

4.3 Indication of any immediate medical attention and special treatment needed.

None known.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

- Water (spray – not splash)
- Dry extinguishing powder
- Alcohol resistant foam
- Carbon dioxide

5.2 Special hazards arising from the substance or mixture

Fire might produce: Carbon monoxide, carbon dioxide and hydrogen chloride.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and special tightly sealed suit. Cool surrounding containers with water spray. If possible, take container out of danger zone. Shut off sources of ignition. Do not allow runoff to get into sewage system. Rise in pressure and risk of bursting when heating. Contain vapors with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment

Wear respiratory protection, eye protection, hand protection and body protection.
See section 8.2 of this SDS.

Emergency procedures

Evacuate all individuals. Warn surrounding areas. Isolate the area. Put protective measures in place. Only individuals with suitable personal protective equipment should be allowed into the affected area. Remove the source if safe to do so and provide adequate ventilation in closed spaces. Wash spill area.

6.2 Environmental precautions

Low hazard to water. Inform the responsible authorities when very large quantities get into water, drainage, sewer, or the ground.

6.3 Methods and material for containment and cleaning up

For containment

Use suitable closed, labeled containers for disposal in accordance to national and local regulations. The floor must not have a floor drain.

For cleaning up

Use suitable protective equipment while cleaning if necessary. See section 8.2 of this SDS. Wipe clean with cloth or paper towel. Tested industrial vacuum cleaner or suction device can be used as alternative. Use of blower for cleaning is not recommended.

6.4 Reference to other sections

See section 8.2 for information on personal protective.
See section 13 for disposal methods.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Heed advice on general occupational hygiene. Fill only into clearly marked containers. Label containers and pipelines clearly. Provide good ventilation in work areas. Used closed apparatus if possible. Washing facility at the workplace is required. Eye bath required. These locations must be sign posted. If release of the product can't be prevented, then it should be suctioned off at the point of exit.

Fire preventions

Keep away from sources of ignition. Firefighting equipment must be available. Inspect the electrical fittings regularly against the higher risk of corrosion.

Advice on general occupational hygiene

Take care to keep workplace clean and dry. Wear personal protective equipment. Avoid skin contact with product. Do not leave container open.

Wash skin with soap and water before breaks and at the end of work and apply fatty skin-care products after washing. Foods, beverages and other articles of consumption must not be consumed at the work areas. Suitable areas are to be designated for these purposes. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Transport in sealed containers above 40˚F. Store in dry, ventilated place in tightly sealed container above 40˚F.

Requirements for storage rooms and vessels

Do not use any food containers to prevent a mistake. Containers must be labeled clearly and permanently. Store in the original container as much as possible. Container should be locked up, away from children.

Packaging materials

Glass, PE, PP and PVC.

Materials to avoid

– Pharmaceuticals, foods, and animal feeds including additives.
– Infectious, radioactive und explosive substances.
– Strongly oxidizing substances of storage class 5.1A.
– Most metals.

7.3 Specific end uses

See section 1.2. No additional information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

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8.2 Exposure controls

Appropriate engineering controls

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation are probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Components with occupational exposure limits

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Personal protective equipment

Eye / Face protection

Wear glasses with side protection.

Skin protection

Hand protection

Suitable gloves type

The use of resistant protective gloves is recommended. Skin protection cremes do not protect as effectively against the substance as protective gloves.

Suitable material

- Natural rubber/Natural latex - NR (19.7 mil) (use non-powdered and allergen free products)
- Polychloroprene - CR (19.7 mil)
- Nitrile rubber/Nitrile latex - NBR (13.8 mil)
- Butyl rubber - Butyl (19.7 mil)
- Fluoro carbon rubber - FKM (15.7 mil)
- Polyvinyl chloride - PVC (19.7 mil)

In case of doubt contact the gloves' manufacturer.

Wear duration with occasional contact (splash): 8 hours

Be aware that the liquid may penetrate gloves. Frequent change is advisable.

Body protection

Wear an overall or a lab coat

Respiratory protection

In an emergency (e.g.: unintentional release of the substance) respiratory protection must be worn. Use suitable respiratory equipment such as MSHA/NIOSH TC-21C or NIOSH approved respirator with N, R, P or HE filter. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Slightly viscous liquid
Color:	Dark brown
Odor:	No specific odor
Odor threshold:	No data available.

	Value	Method	Temperature	Pressure	Remark
pH	3.6 – 4.0	Measured	68˚F	14.7 psi	100% solution
Melting point/ freezing point	Not available.				
Initial boiling point/ boiling range	Not available.				
Flash point	Not available.				
Evaporation rate	Not available.				
Flammability (solid, gas)	Not relevant.				
Upper/lower flammability or explosive limits	Not relevant.				
Vapor pressure	Not available.				
Vapor density	Not available.				
Relative density	1.06 – 1.10 (8,85 lbs/gal)	Measured	68˚F	14.7 psi	100% solution
Solubility(ies)	100 % soluble in water				
Partition coefficient: n-octanol/water	Not available.				
Auto-ignition temperature	Not relevant.				
Decomposition temperature	Not available.				
Viscosity	Not available.				
Explosive properties	Not relevant.				
Oxidizing properties	Not available.				

9.2 Other information:
None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
No specific test data related to reactivity available for this product.

10.2 Chemical stability
Stable under ambient conditions.

10.3 Possibility of hazardous reactions
None known.

10.4 Conditions to avoid:
None known.

10.5 Incompatible materials:
May include: Oxidizing agents.

10.6 Hazardous decomposition products:
May include: Carbon Monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Main routes of exposure:

No data available for occupational handling.

Acute toxicity: Data for hazardous substances

This mixture does not, within the current knowledge of the supplier, contain substances above their cutoff concentration limit fulfilling the criteria of hazard classes according to the 29 CFR 1910.1200 regulation or present a health risk below the cutoff concentration limit.

Other information

Calculations according to 29 CFR 1910.1200 indicated that the ATEmix >2000 mg/kg.

Assessment classification

Based on available data, the classification criteria according to 29 CFR 1910.1200 are not met.

Hazard classification

Classification	Hazard Description
Acute toxicity (oral):	Based on available data, the classification criteria are not met.
Acute toxicity (dermal):	Not classifiable due to data lacking.
Acute toxicity (inhalation):	Not classifiable due to data lacking.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory sensitization:	Not classifiable due to data lacking.
Skin sensitization:	Not classifiable due to data lacking.
Germ cell mutagenicity:	Not classifiable due to data lacking.
Carcinogenicity:	Not classifiable due to data lacking.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT – single exposure:	Based on available data, the classification criteria are not met.
STOT – repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Not classifiable due to data lacking.

Other information:

Main toxic effects

Acute effects:	None known
Chronic effects:	None known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Aquatic toxicity

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Assessment / Classification

Classification is not mandatory.

12.2 Persistence and degradability

Not classifiable due to data lacking.

12.3 Bio accumulative potential

Not classifiable due to data lacking.

12.4 Mobility in soil

Not classifiable due to data lacking.

12.5 Results of PBT and vPvB assessment

Not classifiable due to data lacking.

12.6 Other adverse effects:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

If there is no way of recycling it must be disposed of in compliance with the respective national and local regulations.

Collection of small amounts of product:

Do not put waste into sink or dust bin. Collect in container for toxic, inorganic residues and heavy metals salts and their solution. Adjust product to a pH of 6 – 8. Collection vessels must be clearly labeled with a systematic description of their contents. Store the vessels in a well-ventilated location. Entrust them to the appropriate authorities for disposal.

SECTION 14: TRANSPORT INFORMATION

DOT:	Not regulated as a hazardous material by DOT.
IATA:	Not regulated as a dangerous good.
IMDG:	Not regulated as a dangerous good.
Special precautions for user:	None known.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the substance or mixture

HCS Regulatory 2012; 29 CFR 1910.1200

15.2 Chemical Safety Assessment

No chemical safety assessment was completed for this product.

SECTION 16: OTHER INFORMATION

16.1 Indication of changes

First version.

16.2 Abbreviations and acronyms

CAS	Chemical Abstracts Service (division of the American Chemical Society)
CR	Polychloroprene
DOT	Department of transportation
EC50	Half maximal effective concentration
FKM	Fluoro carbon rubber
GHS	Globally Harmonised System
H	Hazard
HCS	Hazard Chemical Substances
IATA	International Airport Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration required to kill 50% of the population
MSHA	Mine Safety and Health Administration
NBR	Nitrile rubber/ Nitrale latex
NR	Natural rubber/ Natural Latex
NOISH	National Institute for Occupational Safety and Health
P	Precaution
PBT	Persistent, Bioaccumulating and Toxic
PC	Product Category
SCL	Specific concentration limit
SDS	Safety Data Sheet
SU	Sector of use
vPvB	very Persistent and very Bioaccumulating

16.3 Classification for mixtures and used evaluation method according to 29 CFR 1910.1200

Classification based on calculation or concentration thresholds. See SECTION 2.1 (classification).

16.4 Relevant R-, H- and EUH-phrases (number and full text)

This mixture does not, within the current knowledge of the supplier, contain substances above their cutoff concentration limit fulfilling the criteria of hazard classes according to the 29 CFR 1910.1200 regulation or present a health risk below the cutoff concentration limit.

16.5 Training advice

Not relevant.

16.6 Further information

This SDS summarizes to the best of our knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace.