



Alphacide Activator

Safety Data Sheet

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Version: 2.0

SECTION 1: Identification of the Substance/mixture and of the Company/undertaking

Product Identifier

Product form: Mixture

Substance name: Alphacide Activator

CAS No.: 77-92-9 & 7732-18-5

Formula:

Synonyms: Citric Acid 49.8%-50.2% and Water 50.8%-51.2%

Intended Use Of The Product

Use of the substance/mixture: Cleaning Agent

Name, Address, And Telephone Of The Responsible Party

Alpha Technology USA Corp.

5401 Pen Avenue

Sanford, FL 32773

1.855.388.7269

Emergency telephone number

Emergency number : CONTACT: CHEMTREC
(800)-424-9300

SECTION 2: Hazards Identification

Classification of the substance or mixture

Liquid

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

SECTION 4: First Aid Measures

Description of first aid measures

First-aid measures general: The following procedures are recommended as emergency first aid only. They are not intended to replace or supplant the treatment advice of a physician or other authorized health care specialist.

First-aid measures after inhalation: Move to fresh air. If not breathing, give artificial respiration. Loosen tight clothing such as collar, tie, belt, or waistband. Receive medical attention.

First-aid measures after skin contact: Remove contaminated clothing. Rinse skin immediately with plenty of soap and water.

First-aid measures after eye contact: Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Consult a physician.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Sip a glass of water if able to swallow.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Eye irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/Injuries after skin contact: May cause skin irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptoms accordingly.

SECTION 5: Firefighting Measures

Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Not determined.

Special hazards arising from the substance or mixture: Material is not combustible

Advice for firefighters

Protection during firefighting: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment as required

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Carefully neutralize with a dilute alkaline solution of either baking soda (sodium bicarbonate), soda ash, or lime. Rinse area thoroughly. Absorb with inert material, and then place in suitable container for chemical waste.

SECTION 7: Handling and Storage/

Precautions for safe handling

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from excessive heat. Keep/store only in original container.

Incompatible products: May react vigorously with strong and concentrated bases.

SECTION 8: Exposure Controls/Personal Protection

Guideline Information

Citric Acid 77-92-9

OSHA PEL: 15mg/m³ (Total)

Exposure Controls

Appropriate Engineering Controls

: Apply technical measures to comply with the occupational exposure limits. Eyewash solution stations. Showers.

Individual protection measures, such as personal protective equipment:

Eye/Face Protection

: Proper eye care is needed in all industrial operations. Safety glasses as a minimum for protection. Use chemical safety goggles and/or full-face shield where dusting is possible.

Skin and Body Protection

: Wear suitable gloves. Suitable protective clothing. Long sleeve shirt and long pants.

Respiratory protection

: Not normally required if good ventilation is maintained. Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations

: Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	: liquid
Appearance	: liquid
Colour	: not determined
Odour	: not determined
Odour threshold	: no data available
pH	: not determined
Relative evaporation rate	: not determined
Flammability	: Liquid – not applicable
Upper Flammability Limits	: Not applicable
Lower Flammability Limits	: Not applicable
Melting point	: not determined
Freezing point	: not determined
Boiling point	: not determined
Flash point	: not applicable
Auto-ignition temperature	: not applicable
Specific Gravity	: not determined
Vapor pressure	: not determined
Relative vapor density	: not determined
Density	: not determined
Water Solubility	: not determined
Solubility in other solvents	: not determined
Partial Coefficient	: not determined
Decomposition Temperature	: not determined
Kinematic Viscosity	: not determined
Dynamic Viscosity	: not determined
Explosive Properties	: not determined
Oxidizing Properties	: not determined

No additional information is available

SECTION 10: Stability and Reactivity

Reactivity	: Not reactive under normal conditions. Reaction with caustic can create a strong exothermic reaction.
Chemical Stability	: Stable under recommended storage conditions.
Possibility of Hazardous Reactions	: None under normal processing.
Hazardous Polymerization	: Hazardous polymerization does not occur.
Conditions to Avoid	: Keep out of reach of children. See Sec. 7 Handling & Storage
Incompatible Materials	: May react vigorously with strong and concentrated bases.
Hazardous Decomposition Products	: None known based on information supplied.

SECTION 11: Toxicological Information

Information on likely routes of exposure

Product Information

Skin Contact: Avoid contact with skin. May cause mild irritation

Eye irritation: Avoid contact with eyes. May cause mild eye irritation. If solution gets in eye, wash out immediately with cold water.

Inhalation: Avoid inhalation of dust.

Ingestion: Do not ingest.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Citric Acid 77-92-9	= 3000 mg/kg (rat)		

Information on physical, chemical and toxicological effects**Symptoms:** Please see section 4 of this SDS for symptoms**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, ISRC or NTP.**Numerical measures for toxicity:** Not determined**SECTION 12: Ecological Information****Eco toxicity**.....This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Citric Acid 77-92-9		1516: 96 h Lepornis Macrochirus mg/L LC50 static		120: 72 h Daphnia magna mg/L EC50

Persistence/Degradability.....Not determined**Bioaccumulation**.....Not determined**Mobility**

Chemical Name	Partition Coefficient
Citric Acid 77-92-9	-1.72

Other Adverse Effects.....Not determined**SECTION 13: Disposal Considerations****Waste Treatment Methods****Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.**SECTION 14: Transport Information****Note** : Please see current shipping paper for most up to date shipping instructions, including exemptions and special circumstances.**DOT** : Not regulated**IATA** : Not regulated**IMDG** : Not regulated**SECTION 15: Regulatory Information****International Inventories** Not Determined**US Federal Regulations**

TSCA

United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL

Canadian Domestic Substances List/Non Domestic Substances List

EINECS/ELINCS

European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS
Japan Existing and New Chemical Substances
IECSC
China Inventory of Existing Chemical Substances
KECL
Korean Existing and Evaluated Chemical Substances
PICCS
Philippines Inventory of Chemicals and Chemical Substances
AICS
Australian Inventory of Chemical Substances

SECTION 16: Other information

Indication of changes : 11/13/13
Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
NFPA Hazard Classification :
Health : not applicable
Flammability : not applicable
Reactivity : not applicable
Special Hazards : None
Notice : Manufacturer believes the information contained herein is accurate; however we make no guarantees with respect to such accuracy and assume no liability in connection with the use of the information contained herein by any party. Any party using this product should review all such laws, rules, or regulations prior to use