

SECTION I: PRODUCT IDENTIFICATION

Product Name: Bio-activated Base actosol ®
 Calcium actosol®
 Horticultural actosol®
 Turf Booster actosol®
 Micro-Nutrient actosol®
 actosol ® Plus Ca & Fe MUP

Synonyms Name: N/A

Product Use: Soil amendments, Fertilizer

Manufacturer: ARCTECH, Inc. **Date Revised:** 01/25/2015

Address: 2348 Eastover Drive **Emergency Phone:** (703) 222-0280
 Hwy 919
 South Boston, VA 24592

SECTION II: HAZARDS IDENTIFICATION

Emergency Overview: Caused eye and skin irritation. May cause respiratory or digestive tract irritation.

OSHA Hazards: Irritant

GHS Classification: Skin irritation Category 3 H316

Hazard Pictogram:



GHS Label elements: Warning

Precautionary Statements: p102 – Keep out of reach of children ·
 P280- Wear protective gloves, protective clothing/ eye protection / face protection
 P303 +P361 + P353 – IF ON SKIN (or hair): Remove / take off immediately all contaminated clothing, Rinse skin with water/ shower.

Other Hazards: No additional Information available

Unknown acute toxicity (GHS US): No data available

SECTION III: Composition / information on ingredients

Hazardous Component : None
 Contains Organic Material and non- Hazardous Plant Nutrients.

CAS#: N/A

SECTION IV: First aid measures

General: Never give anything by mouth to an unconscious person. Consult doctor if person feels uncomfortable. Show the safety data sheet to the physician.

Eyes: Flush eyes with plenty of water for 15 minutes, occasionally lifting the upper and lower eyelids. Get medical help immediately.

Skin: Flush with plenty of water for 15 minutes. Remove the contaminated clothing and shoes.

Ingestion: Rinse mouth. Get medical advice.

Inhalation: Move to the fresh air immediately. If breathing is difficult, give oxygen.

SECTION V: Firefighting measures

Flash Point: N/A

Auto ignition temperature: N/A

Flammable limit: Upper Lower
 N/A N/A

Flammability: actosol ® is a non-flammable liquid. It does not support combustion.

Extinguishing media: Water spray, Carbon dioxide, dry chemical powder

Special fire fighting procedure: Use self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unspecified fire and explosive hazards: None identified.

Toxic gas produced: Carbon dioxide, carbon monoxide, nitrogen oxide

Explosion data: Impact Static Discharge
 None None

SECTION VI: Accidental release measures

General: Use personal protective equipment as shown in Section 8

Spills/ leaks: Clean up spill immediately with absorbent material. Collect absorbed material in to suitable clean, dry, closed container for disposal. Wash spill site after material pick up is complete.

SECTION VII: Handling and storage

Handling: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soaps and water before eating, drinking, or smoking, and again when leaving work.

Storage: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

SECTION VIII: Exposure controls/ personal protection

General: There are no substances with occupational exposure limit values.

Hand protection: Wear chemical resistant protective gloves.

Eye protection: Wear chemical goggles or safety glasses.

Skin/ Body protection: Wear appropriate protective clothing to prevent skin exposure.

SECTION IX: Physical and chemical properties

Physical State: Liquid

Appearance/ color: Black liquid

Odor: Odorless

Odor Threshold: No data available

pH: 6.5 ~ 11.0

Melting point: 20 F

Boiling point: 220 F

Flash Point: N/A

Evaporation rate: No data available

Flammability (Solid, gas): actosol is non-flammable liquid

Upper/ lower explosive limit: N/A

Vapor pressure: No data available

Vapor density: No data available

Specific gravity: 1.0 ~ 1.24

Solubility in Water: 100% soluble

Auto-ignition Temperature: N/A

Decomposition Temperature: No data available

Viscosity: No data available

SECTION X: Stability and Reactivity

Stability: Stable under recommended storage temperature and pressure.

Reactivity: Will not occur

Polymerization: Will not occur

Incompatibilities: With strong oxidizing agent

Hazard combustion / decomposition products: Carbon monoxide, carbon dioxide, ammonia, nitrogen oxide

SECTION XI: Toxicological information

Acute Toxicity

Oral LD50: No data available

Inhalation LC50: No data available

Dermal LD50: No data available

Skin Corrosion/ Irritation: No data available

Serious Eye Damage/ Irritation: No data available

Respiratory/ Skin Sensitization: No data available

Symptoms of overexposure: Dizziness and headache, nausea and vomiting, eye irritation

Reproductive effects: None established

SECTION XII: Ecological considerations

Toxicity: No data available

Persistence and degradability: No data available

Bio accumulative potential: No data available

Mobility in soil: No data available

SECTION XIII: Disposal Considerations

Dispose in accordance with federal, state, and local regulation

SECTION IV: Transport information

Domestic (DOT): Chemicals, n.o.s. (non-regulated)

Shipping:

International (IMO): Chemicals, n.o.s. (non-regulated)
Marin Pollutants: No

Air (ICAO): Chemicals, n.o.s. (non-regulated)

SECTION XV: Regulatory Information

SARA Title III Hazards List:	Acute: No Chronic: No Flammability: No Pressure: No Reactivity: No
Extreme Hazardous Substance:	No
CERCLA Hazardous Substance:	No
SAR313 Toxic Chemicals:	No
TSCA Inventory:	No

SECTION XVI: Other Information

The above information, data and recommendations contained herein, are believed to be correct, but are not all inclusive, and shall be used only as a guide. ARCTECH shall not be held liable for any damage resulting from use, handling or contact with the above product. ARCTECH disclaims any warranties, expressed or implied with regard to the products supplied hereunder, their merchantability or fitness for any particular purpose.