



MATERIAL SAFETY DATA SHEET

Soluble Fulvic Acid

Latest update: November 13, 2012

PRODUCT IDENTIFICATION

Name: Soluble Fulvic Acid
Chemical Description: fulvic acid
Company: Ferti-Organic, Inc (956) 574-8280 www.ferti-organic.com

PHYSICAL /CHEMICAL CHARACTERISTICS

Fulvic Acid: 69% min
Melting Point: None
Specific Gravity: 0.5 g/cm³
pH: 5-7
Solubility in water: 100%
Appearance: light brown to tannish yellow powder
Odor: Not distinctive

FIRE AND EXPLOSION DATA

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flash Point: Non-applicable
Flammable limits: Smolders when directly heated in flame
Extinguishing media: Water, CO₂, fire-extinguishing foam
Special firefighting procedures: No special methods required
Special Fire and Explosion hazards: Not Applicable

REACTIVITY DATA

Stability: Stable under ordinary conditions and use of storage.
Conditions to avoid: Incompatible materials, dust generation.
Incompatibility: Contact with strong oxidizing agents.

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Hazardous decomposition: Carbon monoxide, carbon dioxide.
Hazardous polymerization: has not been reported.

TOXICOLOGY

Carcinogenicity
ACGIH: Not listed IARC: Not listed
NTP: Not listed CA Prop 65: Not listed

Epidemiology: No information available.
Teratogenicity: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.

HEALTH EFFECTS/FIRST AID INFORMATION

ROUTES OF ENTRY

Inhalation: Dust can cause irritation to the respiratory tract mucus membrane, sneezing and coughing.
Eyes: Will irritate on contact, wash out quickly.
Ingestion: Can cause upper GI tract disturbance.
Skin: Brief contact with the skin is not toxic. Repeated or prolonged contact will dehydrate skin.
Signs/symptoms of exposure: Eye irritation and or sneezing, coughing and difficulty breathing.
Carcinogenicity: Ingredient not carcinogenic.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: If victim is conscious and alert, give 2-4 cups of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

PRECAUTIONS FOR SAFE HANDLING AND USE

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Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

PERSONAL PROTECTIVE EQUIPMENT

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

DISPOSAL

Determine whether a discarded chemical is classified as a hazardous waste. EPA guidelines for the determining classification are listed in 40 CFR Parts 261.3. Consult with state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

TRANSPORTATION

Follow the precautions indicated in the Safe Handling and Use of this MSDS.

DOT Proper shipping Name: Not Applicable

DOT Label: Not Applicable

US DOT: No information available

IMO: Not regulated as a hazardous material

IATA: Not regulated as a hazardous material

RID/ADR: Not regulated as a hazardous material

Canadian TDG: No information available

ENVIRONMENTAL HAZARDS

No special precaution needed. Product is not a contaminant.

REGULATORY INFORMATION

Product related hazard information: Observe the general safety regulations when handling chemicals.

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National regulations: All components of this product are listed in the US Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.

Information about limitation of use: For use only by technically qualified individuals.

OTHER INFORMATION

NOTES: We do not accept liability for loss, injury, or damage which may result from misuse. Data is solely for guidance purposes. We encourage users to conduct their own testing best suited for their purposes under their conditions.

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