

Material Safety Data Sheet

Effective Date: 24-SEP-2009  
Product: ESSENCE 6

I. IDENTIFICATION

Chemical Name: Di- and Tri-Carboxylic Acids  
Chemical Family: Fertilizer Additive  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: 102 Degrees C.  
Freezing Point: <35 Degrees F.  
Spec Gravity: 1.262 gms/cc  
Vapor Pressure: Not determined  
Vapor Density: Not determined  
Solubility: Soluble  
Volatiles: Not determined  
Evaporation: Not determined  
Melting Point: Not applicable  
Appearance: Yellow to brown liquid with no odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of di- and tri-carboxylic acids.		100.00	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible  
Autoignition Temp: Not applicable  
Flammable Limit: Not determined  
Extinguishing Media: Non-combustible liquid; use extinguishing media suitable for underlying cause of fire. Use of water fog, foam, dry chemical and carbon dioxide extinguishing agents recommended.  
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Contain fire fighting water to prevent contamination of water supplies, lakes, streams or ponds.  
Fire and Expl Hazard: None currently known.

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V. HEALTH HAZARD  
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Carcinogen Information: Not listed.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: No acute oral LD50 has been determined.  
Possible stomach disorders may occur if  
                  ingested.  
Skin Absorption: No acute dermal LD50 has been determined.  
Slight dermal effects may occur with contact  
                  by persons with sensitive skin.  
Inhalation: No acute inhalation LC50 has been determined.  
Inhalation of spray mists may cause  
                  irritation, including lung congestion.  
Skin contact: Slight dermal effects may occur with contact  
                  by persons with sensitive skin. Symptoms  
                  include reddening of skin.  
Eye Contact: Irritation may occur with eye contact.  
Chronic Effects: None currently known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: Seek medical attention. Do not induce vomiting  
                  unless instructed to do so by a medical  
                  professional.  
Skin: Immediately wash affected area with soap and  
                  water. If irritation persists, seek medical  
                  attention.  
Inhalation: Move to fresh air. If irritation develops or  
                  persist, seek medical attention.  
Eyes: Flush eyes with water, holding eyelids apart  
                  with fingers. Continue for at least 15 minutes.  
                  Seek medical attention if irritation develops.  
Notes to Physician: In the event of an adverse response, treatment  
                  should be directed toward control of the  
                  symptoms and the clinical condition of the  
                  patient.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: None currently known.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.

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Incompatibility material: Neutralization reaction will occur if exposed to alkaline materials.

Hazardous Combustion: At extreme temperatures, carbon monoxide or phosphorous oxide may be evolved.

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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: Small spills should be cleaned with a mop or paper towels. Large spills should be wet vacuumed or pumped into suitable containers for disposal or re-use.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: None needed under normal use conditions.

Ventilation: Natural ventilation is usually adequate.

Gloves: Rubber or PVC gloves.

Eyes: Chemical goggles.

Other: Eyewash station, emergency shower, impervious apron and footwear.

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IX. SPECIAL PRECAUTIONS  
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Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds. Store in original containers in a cool, dry area to minimize product expansion and possible leakage.

Other precaution: None currently known.

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X. SHIPPING INFORMATION  
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Shipping name: Not regulated by DOT.

Hazard Class: None

Identification No: None

Labels Required: None required

Placarding: None

Freight Class: Compound, Fertilizer (Manufactured Fertilizer),

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Liquid, NOIBN (NMFC Item 68140, Sub 6, Class  
70)  
Chemical Name  
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Not applicable  
Equivalent R.Q.  
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Not applicable

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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2                      Fire: 1                      Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y                      Delayed (Chronic) Health: N  
Sudden Release of pressure: N                      Fire: N  
Reactive: N

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