

Material Safety Data Sheet

EZ Thrive

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EMERGENCY ASSISTANCE

For emergency assistance involving **EZ Thrive**, call BioScientific at (623) 932-4588 or (800) 872-2461. Product and sales information contact BioScientific call (877) 4BIOSCI.

PRODUCT IDENTIFICATION

Product name: EZ Thrive
Common names/synonyms: Thrive, Mineral 26, Mineral 76.

HAZARDOUS INGREDIENTS/IDENTITY

Citric Acid (CAS 77-92-9) which is exempt from pesticide registration pursuant to section 25(b)(2) of the Federal Insecticide, Fungicide, and Rodenticide Act [7 U.S.C. sec. 136w(b)(2)].

PHYSICAL & CHEMICAL CHARACTERISTICS

SOLUBILITY: Soluble
APPEARANCE: Clear, colorless liquid
MELTING POINT: N/A
SPECIFIC GRAVITY: 1.575
VAPOR PRESSURE: @ 20 C (mm Hg.): .0285 (100% acid)
BOILING POINT: (760 mmHG): 135 C
LBS/GAL @C:13.17_C:13.17

FIRE & EXPLOSION DATA

Flash point: None
Method used: p-m closed cup
Auto-ignition temp: None
Special fire procedures: None
Extinguisher media: None, product decomposes w/o flame
Unusual fire and explosion hazards: None

PHYSICAL HAZARDS (REACTIVITY DATA)

Incompatibility (materials to avoid): Avoid contact with materials such as sulfides and sulfites which could release toxic gases and use caution in mixing with strong bases because of high heat of reaction can generate steam.

Hazardous decomposition products: None, material is non-combustible

Hazardous polymerization:

Will not occur

HEALTH HAZARDS

CAUTION: Do not get in eyes, on skin or on clothing. Avoid breathing mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Acute Oral LD50 (Rat): 4400 mg/kg

Acute Dermal LD50 (Rabbit): 3160 mg/kg slightly toxic

Eye Irritation FHSA 24-HR Rabbit: Corrosive

Skin Irritation FHSA 24-HR Rabbit: Corrosive

Skin Corrosion 4-HR DOT Rabbit: Non corrosive.

The results of the acute oral and dermal tests indicate that these concentrations of citric acid are slightly toxic by ingestion in single oral doses and by single dermal applications. Following a 24-hour exposure, irreversible eye and skin damage occurred at all tested concentrations of Citric Acid.

Emergency and first aid procedures:

EYES: Wash eyes for at least 15 minutes. Seek medical attention if irritation persists.

SKIN: Dermal contact is expected to be the primary route of occupational exposure to Phosphoric Acid. This product is corrosive to the eyes and skin. Phosphoric Acid may not produce an immediate burning sensation upon skin contact, delaying the awareness of the worker that contact has occurred.

INHALATION: Citric acid has a low vapor pressure at room temperature and is not expected to present a significant inhalation hazard under ambient conditions. Phosphoric acid can, however, be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized.

INGESTION: Slightly toxic.

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions for handling and storage:

Keep container tightly sealed - will stratify at 32 degrees (f), may be thawed and re-mixed.

PRECAUTIONS IF MATERIAL IS RELEASED OR SPILLED: Contain spill. Absorb in inert material. Place in disposable contain. Flush area till clean with water to dilute to a harmless solution. Neutralize cautiously with a base such as soda ash.

WASTE DISPOSAL METHODS: Dispose of waste materials and containers according to local, state and federal regulations.

SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Local exhaust/ventilation	Normal
Mechanical:	N/A
Respiratory protection:	None required
Protective gloves:	Recommended
Eye protection:	Not required, but strongly recommended
Other protective clothing or equipment:	Not required
Work hygienic practices:	Normal

DATE PREPARED: 02/25/01

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