

Material Safety Data Sheet

Trade name: Buffer T3
Date of Issue: 12-12-2004

1. Product and manufacturer information

Product Information:

Trade Name: Buffer T3

Manufacturer: Omega Bio-tek, Inc. P.O. Box 47310, Doraville, GA 30362, USA. Tel: (770) 931-840.

Fax: (770) 931-0230. In the US:

Tel: 1 (800) 832-8896

2. Composition:

Chemical characteristics: Aqueous solution of proprietary compound mixture

Hazardous components: Acetic Acid (10-25%)

Name:

CAS-No:

Warning: Acetic Acid

64.19.7

Irritating

3. Hazard Identification:

Hazardous Description:

Irritant

Information pertaining to particular danger to human and environment

Irritant to eye and skin

Classification system:

This classification was made according to the latest edition of international substance lists, and expands upon from company and literature data.

NFPA Ratings (Scale 0-4)

Health = 2

Fire = 2

Reactivity = 0

WHMIS Ratings (Scale 0-4)

Health = 2

Fire = 2

Reactivity = 0

4. First Aid :

In case of eye contact: Immediately flush eyes with large amounts of water for at least 20 minutes.

Adequate flushing is achieved by separating eyelids clean fingers. Call a doctor.

In case of skin contact: Immediately wash skin with soap and copious amounts of water.

If inhaled: Remove to an area with fresh air. Give artificial respiration if not breathing and call medical emergency services.

If swallowed: Wash out mouth and call doctor if the symptoms persist.

5. Fire-Fighting Measures

Extinguishing media: Carbon dioxide, dry chemical powder, or appropriate foam..

Special procedure:Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

6. Accidental release measures:

Precautionary measures:Wear self-contained breathing apparatus, protective eyewear/goggles, rubber boots and thick rubber gloves.

Clean-up procedures:Absorb on vermiculite or sand. Place in closed containers for disposal. Use non-sparking tools. Finally ventilate area and wash spills when pick-up is complete.

7. Handling and storage:

Storage:Store tightly closed at 22-25°C.

8. Exposure controls:

Rubber gloves, protective eyewear, NIOSH/MSHA-approved respirator, safety shower and eye wash bottle. Mechanical exhaust required. Keep tightly closed. Wash hands thoroughly after handling. Do not get into eyes, on skin, or on clothing. Do not breathe vapor. Severe eye irritant.

9. Physical and chemical properties:

Physical state:liquid

Color:colorless

Odor:none

pH:(25°C)5.2

Viscosity:(25°C)N/A

Melting point:N/A

Boiling point:N/A

Ignition temp:485C

Flashpoint:21-55°C

Explosion levelLower:4.0 vol%

Upper:17.0 Vol%

Vapor pressure(25°C)23hPa

Specific gravity(25°C)1.122 g/cm³

Water solubility:(25°C)Soluble

10. Stability and reactivity:

Substances to avoid:Strong acids and strong oxidants

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Hazardous combustion or decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride gas.

11. Toxicological Data:

Toxicity data: N/A

Acute effects of: N/A

Inhalation: Material is irritating to mucous membranes and upper respiratory tract

Eye contact: Irritating.

Skin contact: Causes skin irritation.

Ingestion:.

Prolonged exposure: N/A

Chronic effects: N/A

RTECS Number: N/A

Additional information: Handle with normal caution accorded to chemicals. Other harmful properties cannot be ruled out.

12. Ecological Data:

Water hazardous class 1 (self-assessment): slight hazardous to water

Do not allow undiluted or large quantity of this material into the underground water, water course or sewage system.

13. Disposal:

Contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste. Contaminated packaging should be handled in the same manner as the substance itself. Unless specified directly, non-contaminated packaging may be treated as household waste.

14. Transport Data:

15. Regulatory Data:

16. Other Data:

The above information is believed to be correct but does not purport to be all-inclusive and should be used only as a guide. Omega Bio-tek shall not be held liable for consequences relating from handling or from contact with the above product.