

TN100CALKIT/T-100CALKIT Turbidity Standards Material Safety Data Sheet

I. PRODUCT IDENTIFICATION AND COMPANY INFORMATION

PRODUCT: TN100CALKIT/T-100CALKIT
Turbidity Standards

PRODUCT USE: Standard

MANUFACTURER/SUPPLIER: EUTECH INSTRUMENTS PTE LTD.
THERMO FISHER SCIENTIFIC
Blk 55, Ayer Rajah Crescent, #04-16/24,
Singapore 139949, Website: <http://www.eutechinst.com>
E-mail: eutech@thermofisher.com
Tel: 65) 6778 6876

II. HAZARDS IDENTIFICATION

CHRONIC EFFECTS/CARCINOGENICITY: No evidence of carcinogenicity
HEALTH HAZARDS: No health hazards by normal means of exposure.
LD 50 (Oral-rabbit): 368 g (water)/Kg
OSHA PEL: Not established
ACGIH TLV: Not established

III. COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|-----------|--|
| COMPONENT | Styrene Divinyl Benzene Copolymer Bead |
| CAS NO. | 9003-70-7 WEIGHT: <1% |

| | |
|-----------|-----------------------------|
| COMPONENT | Deionized Water (H2O) |
| CAS NO. | 7732-18-5 WEIGHT: >99% |

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Wash contacted skin with water. Flush eyes with water. Seek medical attention if irritation develops.
INHALATION: Inhalation is not an expected route of exposure.
INGESTION: Ingestion is not hazardous. Call a physician if necessary.

V. FIRE FIGHTING MEASURES

FIRE FIGHTING EQUIPMENT: Use protective clothing and breathing equipment appropriate for the surrounding fire.
FIRE AND EXPLOSION HAZARDS: Not considered to be a fire or explosion hazard.
EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.

VI. ACCIDENTAL RELEASE MEASURES

PROCEDURE OF PERSONAL PRECAUTION: Wear chemical safety goggles, Cover shoes and gloves.
METHODS FOR CLEAN: Absorb with suitable material (paper, towels etc.) and treat as normal refuse if local regulations allow. Ventilate area and wash spill site after material pickup is complete.

VII. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes and skin. As with all chemicals wash hands thoroughly after handling. Protect from freezing and physical damage.
STORAGE: Keep container tightly closed. Store in a cool dry place.

VIII. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS: Safety shower and eye wash. Mechanical exhaust recommended.
GENERAL HYGIENE MEASURES: Wash thoroughly after handling. Wash contaminated clothing before reuse
PROTECTIVE EQUIPMENT: Safety glasses, lab coat and gloves.

IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: White powder suspended in clear, colorless liquid. Depending on concentration, solution may be clear, hazy or opaque. ODOR THRESHOLD: Odorless
COEFFICIENT OF OIL/WATER DISTRIBUTION: None
SOLUBILITY IN WATER: MISCIBLE pH: 6.7 SPECIFIC GRAVITY: 1
VAPOR DENSITY: NOT DETERMINED
BOILING POINT: Approx. 100°C MELTING POINT: Approximately 0°C
FLASH POINT: NA AUTOIGNITION POINT: NA
FLAMMABILITY LIMITS: UPPER: NA LOWER: NA

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use and storage.
INCOMPATIBILITY: Incompatible with Organic matter (No hazardous reaction). Hazardous decomposition product: None.
CONDITIONS TO AVOID: Keep from freezing (Once frozen, polymer will not remain completely suspended)
HAZARDOUS POLYMERIZATION: Will not occur

XI. TOXICOLOGICAL INFORMATION

Route of Exposure: May cause irritation of eyes and skin.
Teratogen Status: None
Mutagen Status: None
Reproductive Toxicity: None
Carcinogen Status: None

XII. ECOLOGICAL INFORMATION

Non hazardous to the environment.
BIOACCUMALATIVE POTENTIAL: No information found
PERSISTENCE AND DEGRADABILITY: No information found

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL: Liquid may be flushed to the sewer. Always dispose of in accordance with local, state and federal regulation.

XIV. TRANSPORT INFORMATION

RID/ADR: This product is not regulated.
IMDG: This product is not regulated.
IATA: This product is not regulated.
DOT CLASS: This product is not regulated.

XV. REGULATORY INFORMATION

SARA TITLE 313: No
TSCA: Component is listed
HMIS: Health 0 Flammability 0 Reactivity 0

XVI. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

Copyright © 2012 Eutech Instruments Pte Ltd. eutech@thermofisher.com

Document Number :68X613801/ MSDS-TUR-001 Rev. C
Effective Date: 10 July 2012