

EMS CATALOG NO: 62550-01 & 12
EMS PRODUCT: Tissue-Tek OCT Compound
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MATERIAL SAFETY DATA SHEET

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

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FOR PRODUCT AND SALES INFORMATION

PLEASE CONTACT THE ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

PRODUCT IDENTIFICATION

COMMON NAME:
Tissue-Tek O.C.T. Compound
(Note: O.C.T. stands for Optimal Cutting Temperature)

COMPOSITION AND DATA ON COMPONENTS

CHEMICAL INGREDIENTS:
10.24% polyvinyl alcohol
4.26% Polyethylene glycol

85.50% Non-reactive ingredient

NFPA HAZARD RATING:

HEALTH: 0

FIRE: 0

REACTIVITY: 0

4-Extreme

3-High

2-Moderate

1-Slight

0-Insignificant

Pursuant to US-OSHA 29 CFR 1910.1200, this product is not considered to contain hazardous materials.

HAZARDS IDENTIFICATION

MAN: None determined.

ENVIRONMENT: None determined.

FIRST AID MEASURES

INGESTION:

If the patient is conscious, wash out mouth with water and have the patient drink a glass of water or milk to dilute the material. Transport to the hospital for care.

INHALATION:

The patient should be transported away from exposure and brought to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Transport to the hospital for care.

EYE CONTACT:

Flush eyes immediately with water for at least 15 minutes with eyes open and eyelids raised. Transport to hospital for further medical attention.

SKIN CONTACT:

Contaminated clothing should be removed immediately. The affected body areas should be flushed with a solution of soap and water for a period of approximately 15 minutes. Seek medical attention if irritation develops.

FIRE AND EXPLOSION DATA

FLASH POINT: Greater than 450oF

EXPLOSIVE LIMIT: N/A

EXTINGUISHING METHODS: Water for, regular foam, dry chemicals or carbon dioxide.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with full body protection.

HAZARDOUS DECOMPOSITION PRODUCTS: CO_x and Asphyxiants

ACCIDENTAL RELEASE MEASURES

SPILLS: Contain spill. Absorb using suitable media.

HANDLING AND STORAGE

Store in a cool, well-ventilated area. All electrical equipment in storage and/or handling areas should be installed in accordance with applicable requirements of the National Electrical Code (NEC). Avoid contact with eyes, skin, and clothing. Avoid breathing mists.

EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Not normally required. General mechanical or local exhaust should be used to maintain low exposure levels. Avoid prolonged periods of directly breathing vapors. In absence of proper environmental controls, the use of a NIOSH/OSHA respirator is recommended. Respirator use should comply with OSHA 29 CFR 1910.134.

PROTECTIVE EQUIPMENT:

Use appropriate resistant gloves, chemical splash goggles, and normal laboratory work clothing.

PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: ND
VAPOR DENSITY (AIR=1): ND
SOLUBILITY IN WATER: SOLUBLE
VAPOR PRESSURE: ND
APPEARANCE: Viscous, clear to pale yellow, slight alcohol odor.

STABILITY AND REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY: Avoid contact with strong oxidizing agents.

TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS OF OVEREXPOSURE: No chronic effects of overexposure are currently known.

CARCINOGEN OR SUSPECTED CARCINOGENS: Components are not listed as a carcinogen or suspected carcinogens.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None currently known.

ACUTE EXPOSURE EFFECTS:

INHALATION: Inhalation of mists may cause minor respiratory irritation.

INGESTION: Swallowing may cause gastrointestinal irritation.

SKIN CONTACT: Prolonged contact may cause mild discomfort.

EYE CONTACT: May cause mild irritation.

ECOLOGICAL INFORMATION

Ecological effects of this mixture have not been determined.

DISPOSAL CONSIDERATIONS

DISPOSAL PROCEDURES: Dispose of in accordance with all applicable local, state, and federal regulations.

TRANSPORT INFORMATION

DOT SHIPPING NUMBER: None assigned
DOT HAZARD CLASSIFICATION: None assigned

OTHER REGULATORY INFORMATION

RCRA HAZARDOUS WASTE (40 CFR 261.33): Not listed
CERCLA HAZARDOUS SUBSTANCE (40.302.4): Not listed
SARA TOXIC CHEMICAL (40.CFR 372.65): Not listed
SARA EHS (EXTREMELY HAZARDOUS SUBSTANCE) (40 CFR 355): Not listed