

## **TERT-BUTANOL**

### **MSDS Number**

BHCNJ

### **National Stock Number**

6810-00-460-2091

### **Product Name**

TERT-BUTANOL

### **Manufacturer**

FISHER SCIENTIFIC CHEMICAL DIV

### **Product Identification**

Product ID:TERT-BUTANOL

MSDS Date:11/03/1988

FSC:6810

NIIN:00-460-2091

MSDS Number: BHCNJ

### **Responsible Party**

FISHER SCIENTIFIC, CHEMICAL DIVISION

1 REAGENT LANE

FAIR LAWN , NJ 07410

Emergency Phone: 201-796-7523(CHEMTREC 800-429-9300)

Info Phone: 201-796-7100

Preparer: GASTON L. PILLORI

Cage: 1B464

### **Contractor**

FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

FAIRLAWN, NJ 07410-2802

US

201-796-7100

Cage: 1B464

### **Ingredients**

TERT-BUTYL ALCOHOL (SARA III)

CAS: 75-65-0

RTECS: EO1925000

Fraction By Weight: >99%

OSHA PEL100 PPM

ACGIH TLV: 100PPM 9394

### **Hazards**

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 3500 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTES: INHALE- SHORTNESS OF BREATH, CNS DEPRESSION. SKIN-REDNESS, IRRITATION, ERYTHEMA, HYPEREMIA. EYE-IRRITATION, REDNESS, PAIN, BLURRED VISION. INGEST- ABDOMINAL PAIN, CNS DEPRESSION, LIVER DAMAGE . CHRONIC: EYE- CONJUNCTIVITIS. SKIN-DRYING AND CRACKING. INHALE- REVERSIBLE LIVER, KIDNEY, AND HEART. Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS

LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:IRRITATION, COUGHING, SHORTNESS OF BREATH, DIZZINESS, DROWSINESS, VERTIGO, NAUSEA, VOMITING, FATIGUE, REDNESS OF THE SKIN AND EYE WITH PAIN AND BLURRED VISION.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN, LIVER, KIDNEY, OR RESPIRATORY DISEASE MAY BE AT AN INCREASED RISK FROM EXPOSURE.

## First Aid

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR, IF BREATHING STOPPED GIVE ARTIFICIAL RESPIRATION. EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. INGESTION: INDUCE VOMITING BY PLACING FINGER AT THE BACK OF THE THROAT. GET IMMEDIATE MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:CC

Flash Point:52.0F,11.1C

Autoignition Temp:Autoignition Temp Text:896F

Lower Limits:2.4

Upper Limits:8.0

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR ALCOHOL FOAM

Fire Fighting Procedures:MOVE FROM FIRE AREA, IF POSSIBLE. USE FLOODING AMOUNTS OF WATER AS A FOG, SOLID STREAMS MAY BE INEFFECTIVE. AVOID BREATHING VAPORS, KEEP UPWIND.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE.

## Accidental Release

Spill Release Procedures:WIPE OR SOAK UP SMALL SPILLS WITH PAPER TOWEL OR INERT ABSORBANT. DIKE TO RETAIN LARGE SPILLS. REMOVE RESIDUE WITH INERT ABSORBANT. PLACE IN DISPOSAL CONTAINER. ISOLATE HAZARD AREA AND DENY ENTRY. NO SMOKING OR OPEN FLAMES IN THE AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT AND IGNITION SOURCES. KEEP CONTAINERS CLOSED.

Other Precautions:VAPOR HAZARD INDOORS, OUTDOORS OR IN SEWERS, RUN-OFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

## Exposure Controls

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA IS NOT VENTED.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

## Chemical Properties

HCC:F2

Boiling Pt: =82.2C, 180.F

Melt/Freeze Pt: =25.6C, 78.F

Vapor Pres:31

Vapor Density:2.6

Spec Gravity:0.80

Evaporation Rate & Reference:1.05 (BUTYL ACETATE=1)

Solubility in Water: SOLUBLE  
Appearance and Odor: COLORLESS, HYGROSCOPIC LIQUID OR CRYSTALS WITH  
CAMPHOR ODOR

## Stability

Stability Indicator/Materials to Avoid: YES  
ALKALI METALS, ALUMINUM, CHROMIUM TRIOXIDE, OXIDIZERS, PLASTICS,  
MINERAL ACIDS, HYDROCHLORIC ACID.  
Stability Condition to Avoid: STABLE IN CLOSED CONTAINERS UNDER NORMAL  
TEMPERATURES AND PRESSURES.  
Hazardous Decomposition Products: STRONG MINERAL ACIDS OR  
THERMAL-OXIDATIVE REACTIONS CAUSE DECOMPOSITION & MAY RELEASE  
CARBON MONOXIDE OR ISOBUTYLENE GAS

## Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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