FSC: 6810
NIIN: 004602091
Manufacturer's CAGE: 1B464
Part No. Indicator: A
Part Number/Trade Name: TERT-BUTANOL

General Information

Item Name: TERT-BUTYL ALCOHOL, REAGENT
Company's Name: FISHER SCIENTIFIC, CHEMICAL DIVISION
Company's Street: 1 REAGENT LANE
Company's P. O. Box:
Company's City: FAIR LAWN
Company's State: NJ
Company's Country:
Company's Zip Code: 07410
Company's Emerg Ph #: 201-796-7523 (CHEMTREC 800-429-9300)
Company's Info Ph #: 201-796-7100
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: D
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 003
Status: SE
Date MSDS Prepared: 03NOV88
Safety Data Review Date: 30NOV89
Supply Item Manager: CX
MSDS Preparer's Name: GASTON L. PILLORI
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number: 
MSDS Serial Number: BHCNJ
Specification Number: 
Spec Type, Grade, Class: 
Hazard Characteristic Code: F3
Unit Of Issue: BT
Unit Of Issue Container Qty: 1
Type Of Container: BOTTLE
Net Unit Weight: 16 OZ

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NRC/State License Number: 
Net Explosive Weight: 
Net Propellant Weight-Ammo: 
Coast Guard Ammunition Code: 

Ingredients/Identity Information

Proprietary: NO
Ingredient: TERT-BUTYL ALCOHOL (SARA III)
Ingredient Sequence Number: 01
Percent: >99
Ingredient Action Code: 
Ingredient Focal Point: D
NIOSH (RTECS) Number: EO1925000
CAS Number: 75-65-0
OSHA PEL: 100 PPM
ACGIH TLV: 100PPM 9394
Other Recommended Limit: NOT ESTABLISHED

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS, HYGROSCOPIC LIQUID OR CRYSTALS WITH CA
MPOR
ODOR
Boiling Point: 180F, 82C
Melting Point: 78.0F, 25.6C
Vapor Pressure (MM Hg/70 F): 31
Vapor Density (Air=1): 2.6
Specific Gravity: 0.80
Decomposition Temperature: 
Evaporation Rate And Ref: 1.05 (BUTYL ACETATE=1)
Solubility In Water: SOLUBLE
Percent Volatiles By Volume:  
Viscosity:  
pH:  
Radioactivity:  
Form (Radioactive Matl):  
Magnetism (Milligauss): N/P  
Corrosion Rate (IPY):  
Autoignition Temperature: 896F  
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Fire and Explosion Hazard Data  
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Flash Point: 52.0F, 11.1C  
Flash Point Method: CC  
Lower Explosive Limit: 2.4  
Upper Explosive Limit: 8.0  
Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR ALCOHOL FOAM  
Special Fire Fighting Proc: 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 And Expl Hazrds: CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE.  
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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): STABLE IN CLOSED CONTAINERS UNDER NORMAL TEMPERATURES AND PRESSURES.  
Materials To Avoid: ALKALI METALS, ALUMINUM, CHROMIUM TRIOXIDE, OXIDIZERS, PLASTICS, MINERAL ACIDS, HYDROCHLORIC ACID.  
Hazardous Decomp Products: STRONG MINERAL ACIDS OR THERMAL-OXIDATIVE REACTIONS CAUSE DECOMPOSITION & MAY RELEASE CARBON MONOXIDE OR ISOBUTY LENE GAS  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT APPLICABLE  
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Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL RAT) IS 3500 MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz 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.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Signs/Symptoms Of Overexp: IRRITATION, COUGHING, SHORTNESS OF BREATH, DIZZINESS, DROWSINESS, VERTIGO, NAUSEA, VOMITING, FATIGUE, REDNESS OF THE SKIN AND EYE WITH PAIN AND BLURRED VISION.
Med Cond Aggravated By Exp: PERSONS WITH PRE-EXISTING SKIN, LIVER, KIDNEY, OR RESPIRATORY DISEASE MAY BE AT AN INCREASED RISK FROM EXPOSURE.
Emergency/First Aid Proc: 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.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: 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.
Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
Precautions-Handling/Storing: STORE IN COOL, DRY, WELL VENTILATED AREA.
PROTECT FROM PHYSICAL DAMAGE, HEAT AND IGNITION SOURCES. KEEP CONTAINERS CLOSED.

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

Control Measures


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 THROUGHLY AFTER HANDLING AND BEFORE EATING.
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Transportation Data

Transportation Action Code: D
Transportation Focal Point: D
Trans Data Review Date: 89334
DOT PSN Code: GJJ
DOT Symbol:
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
DOT Class: 3
DOT ID Number: UN1993
DOT Pack Group: II
DOT Label: FLAMMABLE LIQUID
DOT/DoD Exemption Number:
IMO PSN Code: HIM
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o
IMO Regulations Page Number: 3126
IMO UN Number: 1993
IMO UN Class: 3.1
IMO Subsidiary Risk Label: -
IATA PSN Code: MBV
IATA UN ID Number: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *
IATA UN Class: 3
IATA Subsidiary Risk Class:
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: MBV
AFI Symbols:
AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Class: 3
AFI ID Number: UN1993
AFI Pack Group: II
AFI Label:
AFI Special Prov:
AFI Basic Pac Ref: 7-7

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MMAC Code:
N.O.S. Shipping Name:
Additional Trans Data:
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Disposal Data
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Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
Label Data

Label Required: YES
Technical Review Date:
Label Date:
MFR Label Number:
Label Status: F
Common Name:
Chronic Hazard: N/P
Signal Word:
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None:
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: MAY BE POISONOUS IF INHALED OR ABSORBED

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THROUGH SKIN. VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION. CONTACT MAY IRRITATE OR BURN SKIN AND EYES. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.

Protect Eye:
Protect Skin:
Protect Respiratory:
Label Name: FISHER SCIENTIFIC, CHEMICAL DIV.
Label Street: 1 REAGENT LANE
Label P.O. Box:
Label City: FAIR LAWN
Label State: NJ
Label Zip Code: 07410
Label Country: US
Label Emergency Number: 201-796-7100 OR 201-796-7523
Year Procured: