

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

074089140

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

074089025 074089033 074089058 074089066 074089082 074089090 074089108 074089124 074089132 074089157  
074089165 074089173 074089322 074089330 074089413 074089504 074089512 074093001 074093019 074093076  
074093100 074093233 074093241 074093258 074093308 074093316 074093324 074093332 074093340 074093472  
272349090 272399137 272429066 272452605 272454866 272455780 272460467 272464162 272465656 272471423  
272471431 273000550 273000825 273002514 273003765 273003851 273005955 273005956 273005957 273006586  
273009671 273009861 273014016 273018908 273020542



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## **TUBING FLUID FORMULA TF24**

### **MSDS Number**

BJGNK

### **National Stock Number**

6840-00-926-9117

### **Product Name**

TUBING FLUID FORMULA TF24

### **Manufacturer**

ETHICON INC

### **Product Identification**

Product ID:TUBING FLUID FORMULA TF24

MSDS Date:10/01/1993

FSC:6840

NIIN:00-926-9117

MSDS Number: BJGNK

### **Responsible Party**

ETHICON, INC

ROUTE 22

SOMERVILLE , NJ 08876

US

Emergency Phone: 908-218-2702

Info Phone: 908-218-2702

Cage: 10614

### **Contractor**

ETHICON, INC

158

SOMERVILLE, NJ 08876-0151

US

732-562-7117

Cage: 10614

### **Ingredients**

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight: 86.3%

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

WATER, H2O

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 12.6%



2-DIETHYLAMINOETHANOL

CAS: 100-37-8

RTECS: KK5075000

Fraction By Weight: 0.5%

OSHA PEL10 PPM

ACGIH TLV: 10 PPM

SODIUM BENZOATE

CAS: 532-32-1

RTECS: DH6650000

Fraction By Weight: 0.5%

**Hazards**

LD50 LC50 Mixture:ORAL RATS LD50 = 5.8 G/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: IRRITATION. PROLONGED CONTACT  
CAUSES IRRITATION/CORNEAL BURNS/TISSUE DAMAGE. SKIN:  
EXTENSIVE/REPEATED/PROLONGED CONTACT CAUSES BURNING & DERMATITIS.  
INHALATION: IRRITATION OF NOSE/THROAT/RESPIRATORY TRACT.  
INGESTION: SWALLOWING >150 ML CAN CAUSE DEATH.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, BURNING, ITCHING, REDNESS, RASH,  
BLISTERS, CRUSTINESS, DRYING, DEFATTING, NASAL  
DISCOMFORT/DISCHARGE, COUGHING, DROWSINESS, NAUSEA, HEADACHE,  
STAGGERING, UNCONSCIOUSNESS, ABDOMINAL PAIN/DISCOMFORT, VOMITING,  
DIARRHEA.

**First Aid**

First Aid:EYES: FLUSH W/PLENTY OF WATER FOR 15 MINS. SKIN: FLUSH  
AFFECTED AREA W/WATER & WASH W/SOAP/MILD DETERGENT. INHALATION:  
REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. INGESTION: IF  
CONSCIOUS & HAS A GAG REFLEX, GIVE 2 GLASSES OF WATER. INDUCE  
VOMITING BY GIVING IPECAC SYRUP/PLACING FINGER AT BACK OF THROAT.  
NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. OBTAIN MEDICAL  
ATTENTION IN ALL CASES.

**Fire Fighting**

Flash Point Method:CC  
Flash Point:64.4F  
Lower Limits:2.5  
Upper Limits:12  
Extinguishing Media:CO2, DRY CHEMICAL, ALCOHOL FOAM  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING & NIOSH APPROVED  
SCBA W/FULL FACE PIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE.  
USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS  
Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID. RESIDUE FROM SUTURE  
PACKETS COMBINED IN SUFFICIENT QUANTITIES CAN FORM FLAMMABLE  
MIXTURES AT/ABOVE 64F. (SEE SUPP)

**Accidental Release**

Spill Release Procedures:REMOVE IGNITION SOURCES/VENTILATE AREA. WEAR  
PROTECTIVE CLOTHING/NIOSH APPROVED RESPIRATOR ADEQUATE FOR VAPOR  
LEVELS IN AREA. LARGE: CONTAIN/ABSORB W/VERMICULITE/SAND/SUITABLE  
FLOOR ABSORBENT. SMALL: ABSORB ON PAPER TOWELS/EVAPORATED IN FUME  
HOOD.

**Handling**

Handling and Storage Precautions:USE PROPER BONDING/GROUNDING DURING  
LIQUID TRANSFER.



Other Precautions:CONTAINERS MAY BE HAZARDOUS WHEN EMPTIED. EMPTY CONTAINERS RETAIN PRODUCT RESIDUES. ALL HAZARD PRECAUTIONS GIVEN MUST BE OBSERVED.

## Exposure Controls

Respiratory Protection:NONE USUALLY REQUIRED IN ROUTINE HOSPITAL ENVIRONMENT. WEAR NIOSH APPROVED AIR PURIFYING/AIR SUPPLIED RESPIRATOR, SELF CONTAINED BREATHING APPARATUS IN SOME MANUFACTURING SETTINGS/SPILL SITUATIONS.

Ventilation:ADEQUATE MECHANICAL TO PROTECT PERSONNEL FROM EXPOSURE TO VAPORS >OSHA PEL & TO MINIMIZE FIRE HAZARDS.

Protective Gloves:NEOPRENE, NITRILE/NATURAL RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SAFETY GOGGLES

Other Protective Equipment:FULL FACE SHIELD, IMPERVIOUS CLOTHING & BOOTS, EYE WASH FOUNTAIN, QUICK DRENCH FACILITY.

Supplemental Safety and Health

PH: 10.2-11.4. UNUSUAL FIRE CONT'D: VAPORS CAN TRAVEL TO DISTANT

IGNITION SOURCES/FLASH BACK. MATERIAL TO AVOID CONT'D:

HALOGENS/ETHYLENE OXIDE/HYDROGEN-PALLADIUM COMBINATION/HYPOCHLOROUS

ACID/POTASSI UM TERT-BUTOXIDE/ISOCYANATES/PHOSGENE/PERCHLORIC

ACID/NITROFORM/HYDROGEN PEROXIDE-SULFURIC ACID COMBINATION.

## Chemical Properties

Boiling Pt:B.P. Text:176.72F

Vapor Pres:33

Vapor Density:2.07

Spec Gravity:0.818-0.821

pH:(SUPP)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAN COLORLESS LIQUID W/RUBBING ALCOHOL ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS/NITRIC ACID/SULFURIC

ACID/ALDEHYDES/CHLORINE/AMMONIA/ALUMINUM WHICH DISPLACES HYDROGEN/

(SUPP)

Stability Condition to Avoid:EXTREME HEAT, SPARKS, OPEN FLAME, OTHER

IGNITION SOURCES, POOR VENTILATION.

Hazardous Decomposition Products:CO, TOXIC GASES/VAPORS

## Disposal

Waste Disposal Methods:CONTAIN & RECOVER LIQUID FOR RECLAMATION WHEN POSSIBLE. LARGE SPILLS MUST BE COLLECTED AS HAZARDOUS WASTE & DISPOSED OF AT A RCRA APPROVED TREATMENT/STORAGE/DISPOSAL FACILITY IAW/FEDERAL, STATE & LOCAL REGULATIONS. EPA WASTE NO. D001. FLAMABLE

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