



TRI-FLOW

MSDS Number

BMTCJ

National Stock Number

9150-00D002723

Product Name

TRI-FLOW

Manufacturer

THOMPSON AND FORMBY INC

Product Identification

Product ID: TRI-FLOW
MSDS Date: 01/01/1988
FSC: 9150
NIIN: 00D002723
MSDS Number: BMTCJ

Responsible Party

THOMPSON AND FORMBY INC
10136 MAGNOLIA DRIVE
OLIVE BRANCH , MS 38654
US
Emergency Phone: 901-685-7555
Info Phone: 601-895-5594
Cage: 63727

Contractor

THOMPSON AND FORMBY INC (CAGE CODE OBSOLETE)
MEMPHIS, TN 38117-4934
US
901-685-7555
Cage: 63727

Ingredients

METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)
CAS: 71-55-6
RTECS: KJ2975000
Fraction By Weight: 25%
OSHA PEL350 PPM/450 STEL
ACGIH TLV: 350 PPM/450 STEL; 9192
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

N-AMYL ACETATE (SARA III)

CAS: 628-63-7
RTECS: AJ1925000
Fraction By Weight: 3%



OSHA PEL100 PPM
ACGIH TLV: 100 PPM; 9192
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

DIPROPYLENE GLYCOL METHYL ETHER
CAS: 34590-94-8
RTECS: JM1575000
Fraction By Weight: 3%
OSHA PELS,100PPM/150STEL
ACGIH TLV: S,100PPM/150STEL9192

SOLVENT REFINED HEAVY NAPHTHENIC DISTILLATE, PETROLEUM
CAS: 64741-96-4
RTECS: PY8040000
Fraction By Weight: 40%
OSHA PEL5 MG/M3 (MFR)
ACGIH TLV: 5 MG/M3 (MFR)

MIXTURE OF ZINC SALT OF DIALKYLPHOSPHORODITHIOIC ACID
Fraction By Weight: 1%
OSHA PELNOT ESTABLISHED.
ACGIH TLV: NOT ESTABLISHED.

PROPANE
CAS: 74-98-6
RTECS: TX2275000
Fraction By Weight: 10 - 23%
OSHA PEL1000 PPM
ACGIH TLV: ASPHYXIAN; 9192

ISOBUTANE
CAS: 75-28-5
RTECS: TZ4300000
Fraction By Weight: 10%

Hazards

LD50 LC50 Mixture:LD50 (??) IS 22.5 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYE:CAN CAUSE
IRRITATION,REDNESS,TEARING,BLURRED VISION.SKIN:PROLONGED/REPEATED
CONTACT CAN CAUSE MODERATE
IRRITATION,DEFATTING,DERMATITIS.INHALE:VAPORS MAY CAUSE NASAL &
RESPIRATORY IRRITATION,
DIZZINESS,WEAKNESS,FATIGUE,NAUSEA,HEADACHE,UNCONSCIOUSNESS.ORAL:MAY



CAUSE VOMITING.ASPIRATION HAZARD.CHRONIC-DERMATITIS.
Effects of Overexposure:CAN CAUSE EYE IRRITATION, REDNESS, TEARING,
BLURRED VISION. PROLONGED/REPEATED SKIN CONTACT CAN CAUSE MODERATE
IRRITATION, DEFATTING, DERMATITIS. VAPORS MAY CAUSE NASAL &
RESPIRATORY IRRITATION, DIZZI NESS, WEAKNESS, FATIGUE, NAUSEA,
HEADACHE, UNCONSCIOUSNESS. ORALLY MAY CAUSE VOMITING & DIARRHEA.
ASPIRATION HAZARD.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

First Aid

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.SKIN:WASH WITH SOAP
& WATER.EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS
OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF
NEEDED.ORAL:DO NOT IN DUCE VOMITING.IF VOMITING OCCURS,KEEP HEAD
BELOW HIPS DUE TO ASPIRATION HAZARD.TREAT SYMPTOMATICALLY AND
SUPPORTIVELY.CALL PHYSICIAN.

Fire Fighting

Flash Point:AEROSOL
Extinguishing Media:CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS IN + PRESSURE MODE.
COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:A COMPLEX MIXTURE OF AIRBORNE SOLID,
LIQUID, PARTICULATES AND GASES MAY EVOLVE. CARBON MONOXIDE AND
OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED.

Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA.
ELIMINATE ALL SOURCES OF IGNITION. SOAK UP WITH CLAY, SAND OR OTHER
ABSORBENT MATERIALS.

Handling

Handling and Storage Precautions:STORAGE-STORE IN COOL,DRY VENTILATED
PLACE AWAY FROM HEAT,FLAME & STRONG OXIDANTS.
Other Precautions:USE ONLY WITH ADEQUATE VENTILATION. AVOID PROLONGED &
REPEATED BREATHING OF VAPOR OR CONTACT WITH EYES OR SKIN. TREAT AS
FLAMMABLE MATERIALS. AEROSOL CANS ARE UNDER PRESSURE. DO NOT
PUNCTURE, INCINERA TE OR STORE ABOVE 120 F.

Exposure Controls

Respiratory Protection:IF EXPOSURE MAY/DOES EXCEED OCCUPATIONAL
EXPOSURE LIMITS, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT
OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN
ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AI R-PURIFYING RESPIRATOR FOR
ORGANIC VAPOR

Ventilation:MECHANICAL VENTILATION. (EXPLOSION-PROOF)

Protective Gloves:IMPERVIOUS (RUBBER/PLASTIC)

Eye Protection:CHEMICAL SPLASH GOGGLES/SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR
FOOTWEAR.

Supplemental Safety and Health
KEEP OUT OF REACH OF CHILDREN.

Chemical Properties

Boiling Pt:B.P. Text:212F,100C

Vapor Density:> 1

Spec Gravity:0.998

Evaporation Rate & Reference:Appearance and Odor:AMBER OPAQUE LIQUID - BANANA ODOR

Percent Volatiles by Volume:65

Stability



Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HEAT, FLAMES, SPARKS AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE AND POSSIBLY HYDROGEN CHLORIDE, CHLORINE GAS AND PHOSGENE

Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS CONCERNING COMBUSTIBLE WASTE CONTAINING 1,1,1-TRICHLOROETHANE.

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