

FISHER SCIENTIFIC CO CHEMICAL MFG DIV -- PERMOUNT SOLUTION CAT #:SP15500 --  
8040-00-063-1365

===== Product Identification =====

Product ID:PERMOUNT SOLUTION CAT #:SP15500

MSDS Date:11/16/1994

FSC:8040

NIIN:00-063-1365

MSDS Number: BWSRC

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL MFG DIV

Address:1 REAGENT LN

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:

201-796-7100/800-766-7000 X3725

Emergency Phone Num:800-424-9300(CHEMTREC)/201-796-7100

Preparer's Name:FISHCER SCIENTIFIC INC

CAGE:2G230

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:FISHER SCIENTIFIC CO CHEMICAL MFG DIV

Address:1 REAGENT LN

Box:City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100/800-766-7000 X3725

CAGE:2G230

===== Co

Composition/Information on Ingredients =====

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 55.2%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM; Z-2  
ACGIH TLV:S, 50 PPM; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:BETA-PINENE POLYMER  
CAS:68240-09-5  
Fraction by Wt: 44.8%  
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

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

Effects of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TOLUENE:INHAL/SKIN/EYE

IRRIT.MODERATELY TOXIC BY INGEST;SLIGHTLY TOXIC BY INHAL & DERMAL  
ABSORPTION.STIMULANTS(EPINEPHRINE)MAY INDUCE VENTRICULAR  
FIBRILLATION.,ALCOHOL MAY ENHANCE TOXIC EFFECTS.METABOLISM OF  
OTHER SOLVENTS MAY BE INHIBITEDRESULTING IN POTENTIAL OF TOXIC EFFECTS OF  
CHEM.UPTAKE DIRECTLY PROPORTIONAL TO BODY FAT.(SUPER)

Explanation of Carcinogenicity:PER MSD:CARCINOGEN STATUS:HUMAN  
INADEQUATE EVIDENCE

VIDENCE, ANIMAL INADEQUATE EVIDENCE (IARC GROUP-3).

Effects of Overexposure:INHAL:IRRIT/NARCOTIC/NEUROTOXIN.OLFACTORY

IRIT,IRRIT,FTG,WEAK,CONFUSION,HEAD,NAUSEA,IMPAIRED COORD/RX  
TIME.SKIN:IRRIT.IRRIT,DRYING,DEFATTING,DRY FISSURED DERM.THERMAL  
BURNS,SEVERE TISSUE DAMAGE.EYE:IRRIT,CORNEAL  
BURNS,LACRIMATION,CORNEAL LESIONS,CONJUNCTIVITIS.MECHANICAL  
ABRASION.INGEST:NARCOTIC.BURNING SENSATION IN EPIGASTRIUM,ABDOMINAL SPASM

Medical Conditions Aggravated by Exposure:TARGET ORGANS(TOLUENE):CNS  
DEPRESSANT;NEUROLOGICAL

OTOXIC.POISONING MAY ALSO AFFECT HEART,LIVER,KIDNEYS  
& BLOOD.

===== First Aid Measures =====

First Aid:INHAL:REMOVE TO FRESH AIR IMMEDIATELY.GIVE ART RESPIRATORY SUPPORT IF  
NECESSARY.KEEP WARM/REST.TREAT SYMPTOMATICALLY/SUPPORTIVE.SKIN:REMOVE  
CONTAMINATED CLOTHING/SHOES IMMEDIATELY.WASH WITH SOAP/MILD DETERGENT/LARGE AMOUNTS OF  
WATER @LEAST 15-20MINUTES.EYES:WASH IMMEDIATELY WITH LARGE AMOUNTS OF WATER/NORMAL  
SALINE OPENING EYELIDS @LEAST 15-20MINUTES.INGEST:VOMIT OCCUR KEEP  
HEAD LOWER THAN HIPS.TREAT SYMPTOMATICALLY

MPTOMAT/SUPPORT.IN ALL CASES GET MED  
ATTN IMMED.

===== Fire Fighting Measures =====

Flash Point:45.0F,7.2C

Lower Limits:1.4

Upper Limits:6.7

Extinguishing Media:CLASSIFIED:1B. DRY CHEMICAL, CARBON DIXOIDE, WATER  
SPRAY OR REG GOAM. LG FIRES:USE WATERSPRAY, FOG, OR REG FOAM.

Fire Fighting Procedures:MOVE CNTNR W/O RISK.COOL CNTNR FIRE-EXPO SIDE  
W/WATER TIL FIRE WELL OUT.MASSIVE FIRE:UNMANNED HOSE HOLDER/MONITOR  
NOZ/WITHDRAW FRM AREA.W/D IMMED IF  
RISING(SUP)

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZ WHEN EXPO TO  
HEAT/FLAME.VAP HEAVIER THAN AIR;TRAVEL CONSIDERABLE DISTANCE TO IG  
SOURCE & FLASHBACK.VAP & AIR MIXTURES ARE EXPLOSIVE.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE IGN SOURCES.STOP LEAK W/O RISK.REDUCE  
VAP W/WATERSPRAY.SM:TAKE UP W/SAND/ABSORBENT MATL.PLACE INTO  
CNTNRS.LG:DIKE.NO SMOKING/FLAMES/FLARES.ISOLATE AREA.RESTRICT  
ENTRY.REPORT TO AUTHORI  
TY/NAT RE SP CNTR 800-424-8802 OF SPILL IF  
CERCLAREPORTABLE

===== Handling and Storage =====

Handling and Storage Precautions:OBSERVE ALL LOC/STATE/FED REGS WHEN  
STOREING SUBSTANCE.STORE IAW 29CFR1910.106.AVOID CONTACT  
W/HEAT/SPARK/FLAME/IGN SOURCES.VAP MAY EXPLO.

Other Precautions:AVOID OVERHEATING OF CNTNRS;MAY VIOLENTLY RUPTURE  
INHEAT OF FIRE.AVOID CONTAMINATION OF WATER SOURCES.

===== Exposure Controls/Personal Protection =====

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Respiratory Protection:SELECT SPECIFIC RESP BASED ON CONTAMIN LEVELS IN  
WORKPLACE,MUST NOT EXCEED WORKING LIMITS OF RESP, & JOINTLY  
APPROVED BY NIOSH/MSHA.

Ventilation:PROVIDE LOC EXHA/GEN DILUTION VENTI TO MEET EXPO  
LIMITS.EQPMT SHOULD BE EXPLO-PROOF IF EXPLO CONC OF DUST/MIST  
PRESENT.

Protective Gloves:APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:SPLASH-PROOF/DUST-RESIST SAF GOGG

Other Protective Equipment:EMERG EYEWASH IN WORKING AREA.

Work Hygienic Practices:WASH HA

NDS AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING PRIOR TO REUSE.

Supplemental Safety and Health

FIRE HAZ: SOUND FROM VENT SAFETY DEVICE/TK DISCOLORATION. ISOLATE 1/2 MI ALL DIRECTIONS IF TK/RAILCAR/TK TRUCK IN FIRE. USE FLOODING AMOUNTS OF WATER. AVOID BREATH VAPOR; KEEP UPWIND. HEALTH HAZ: BLOOD LEVELS MAY BE CUMULATIVE WHEN EXPOSURE IS EXTENDED.

===== Physical/Chemical Properties =====

HCC:F2

Solubility in Water: INSOLUBLE

Appearance and Odor: YELLOW LIQUID, ODOR NOT SPECIFIED BY MFG.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS; STRONG MINERAL ACIDS; PLASTIC/RUBBER/COAT; SULFURIC ACID; NITRIC ACID; SULFUR DICHLORIDE; SILVER PERCHLORATE.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER. HOWEVER AVOID ALL IGNITION SOURCES.

Hazardous Decomposition Products: THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC OXIDES OF CARBON.

===== Disposal Considerations =====

Waste Disposal Methods: OBSERVE ALL FEDERAL/STATE/LOCAL REGULATIONS WHEN DISPOSING SUBSTANCE. DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE REGULATIONS OF HAZARDOUS WASTE, 40 CFR 262. EPA HAZ WASTE NO: D001. 100 LB CERCLA SEC 103 RQ.

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