

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

===== C

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

Repor

ts 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
ABSORBTION.STIMULATNS(EPINEPHRINE)MAY INDUCE VENTRICULAR
FIBRILLATION.,ALCOHOL MAY ENHANCE TOXIC EFFECTS.METABO LISM OF
OTHER SOLVENTS MAY BE INHIBITEDRESULTING IN POT OF TOXIC EFFECTS OF
CHEM.UPTAKE DIRECTLY PROP TO BODY FAT.(SUP)

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

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

Effects of Overexposure:INHAL:IRRIT/NARCOTIC/NEUROTOXIN.OLFACTORY
FTG,IRRIT,FTG,WEAK,CONFUSION,HEAD,NAU,IMPAIRED COORD/RX
TIME.SKIN:IRRIT.IRRIT,DRYING,DEFATTING,DRY FISSURED DERM.THERM
BURNS,SEVERE TISSUE DAMAGE.EYE:IRRIT,CO RNEAL
BURNS,LACRIMATION,CORNEAL LESINS,CONJUNC.MECHANICAL
ABRASION.INGEST:NARCOTIC.BURNING SENS IN EPIGASTRIUM,ABD SPASM

Medical Cond Aggravated by Exposure:TARGET ORGANS(TOLUENE):CNS
DEPRESSANT;NEU

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

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

First Aid:INHAL:REMOVE TO FRESH AIR IMMED.GIVE ART RESP IF
NECESSARY.KEEP WARM/REST.TREAT SYMPTOMAT/SUPPORT.SKIN:REMOVE
CONTAMIN CLOTH/SHOED IMMED.WASH W/SOAP/MILD DETERGENT/LG AMTS OF
WATER @LEAST 15-20MINS.EY E:WASH IMMED W/LG AMTS OF WATER/NORMAL
SALINE OPENING EYELIDS @LEAST 15-20MINS.INGEST:VOMIT OCCUR KEEP
HEAD LOWER THAN HIPS.TREAT S

YMPTOMAT/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 AUTHOR
ITY/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 H

ANDS AFTER HANDLING. LAUNDRY 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 STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE, 40CFR262. EPA HAZARDOUS WASTE NUMBER: D001. 100LB CERCLA SECTION 103 REQUIREMENTS.

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