

SPECTRUM CHEMICAL MFG CORP -- TT-N-95, PETROLEUM NAPHTHA -- 6810-00-082-1718
===== Product Identification =====

Product ID:TT-N-95, PETROLEUM NAPHTHA
MSDS Date:05/16/1991
FSC:6810
NIIN:00-082-1718
MSDS Number: BPQQR
=== Responsible Party ===
Company Name:SPECTRUM CHEMICAL MFG CORP
Address:14422 S SAN PEDRO ST
City:GARDENA
State:CA
ZIP:90248-2027
Country:US
Info Phone Num:213-516-8000
Emergency Ph
one Num:213-516-8000
CAGE:63415

=== Contractor Identification ===
Company Name:SPECTRUM LABORATORY PRODUCTS INC
Address:14422 S SAN PEDRO ST
Box:City:GARDENA
State:CA
ZIP:90248-2027
Country:US
Phone:310-516-8000/FAX: 310-516-9843
CAGE:63415

===== Composition/Information on Ingredients =====

Ingred Name:NAPHTHALENE; (NAPHTHA) (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: 100%
Other REC Limits:400 PPM (MFR)
OSHA PEL:10 PPM;15 PPM STEL
ACGIH TLV:10 PPM;15 PPM STEL
EP

A Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: >0.1%
Other REC Limits:25 PPM, C
OSHA PEL:1 PPM;5 PPM STEL
ACGIH TLV:10 PPM
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:SUPDAT:ISOLATE FOR HALF MILE IN ALL DIRECTIONS IF TANK,
RAIL CAR/TANK TRUCK IS INVOLVED IN FIRE. EXTING ONLY IF (ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:FLOW CAN BE STOPPED. SOLID STREAMS OF WATER MAY
SPREAD FIRE. AVOID BREATHING VAPORS. KEEP U
PWIND.
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:MAY RSLT IN SMARTING/PAIN. ING 2:MAY CAUSE
IRRIT. VAPS ARE VERY IRRIT. DROPLETS CAUSE MOD BURNING(ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5:SENSATION, BUT ONLY SLIGHT, TRANSIENT CORNEAL INJURY
W/RAPID RECOVERY. INGEST:ING 1:MAY CAUSE IRRIT OF MUC (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:MEMBS, VOMIT & CNS DEPRESS. COUGH & CHOKING MAY
INDICATE ASPIR HAS OCCURRED. ING 2:MAY CAUSE LOC IRRIT & (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:BURNING SENSATION IN MOUTH, THROAT & STOM, & HEMORR
INFLAMM LESIONS OF MUC MEMBS IN CONT W/LIQ. USUAL (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8:LETHAL DOSE IN HUMANS IS 10-15 ML, BUT SMALLER AMTS
HAVE BEEN REPORTED TO CAUSE DEATH. SINGLE EXPOS MAY (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9:PRDCE LONGTERM EFTS W/PANCYTOPENIA PERSISTING UP TO
YR. CHRONIC:INHAL:ING 1:POSS EFTS INCL CNS DMG/ (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10:DEPRESS, MYOCARDIAL & HEMPTOPOIETI

C EFTS &

PERIPHERAL NEUROPATHY. ING 2:LONGTERM EXPOS MAY CAUSE SYMPS (ING 12)

RTECS #:9999999ZZ

Ingred Name:ING 11:REFERABLE TO CNS/HEMATOPOIETIC/IMMUNE SYS. RATS EXHIBITED INCR INCIDENCE OF NEOPLASMS, MAINLY CARCINOMAS.(ING 13)

RTECS #:9999999ZZ

Ingred Name:ING 12:MENSTRUAL DISTURBS HAVE BEEN REPORTED IN FREQ EXPOSED WOMEN. TESTICULAR DMG HAS BEEN REPORTED IN RATS. (ING 14)

RTECS #:9999999ZZ

Ingred Name:ING 13:SOME ANIMAL STUDIES HAVE DEMONSTRATED EMBRYO/FETOTOX. SKIN:ING

1:MAY CAUSE DERM. PHOTSENSIT IS POSS.

(ING 15)

RTECS #:9999999ZZ

Ingred Name:ING 14:ADMIN TO MICE SKIN RSLTD IN INCR INCIDENCE OF CARCIN TUMORS. ING 2:RPTD/PRLNG CONT MAY RSLT IN DERM W/ (ING 16)

RTECS #:9999999ZZ

Ingred Name:ING 15:ERYTHEMIA, SCALING, DRYNESS, VESICULATION & FISSURING, POSS ACCOM BY PARESTHESIAS OF FINGERS. PERIPHERAL (ING 17)

RTECS #:9999999ZZ

Ingred Name:ING 16:NEURITIS HAS ALSO BEEN REPORTED. SECONDARY INFECTIONS MAY OCCUR. SENSIT IS POSS. EYE:ING 1:

RPTD/PRLNG (ING 18)

RTECS #:9999999ZZ

Ingred Name:ING 17:CONT MAY CAUSE CONJ. ING 2:50% OF RATS EXPOS TO 50PPM FOR >600 HRS DEV CATARACTS. INGEST:ING 2:DAILY (ING 19)

RTECS #:9999999ZZ

Ingred Name:ING 18:ADMIN TO HUMANS OF 2-5 G CAUSED HDCH, VERTIGO, IMPOTENCE, GI DISTURBS & EVID OF RENAL CONGESTION. REPRO (ING 20)

RTECS #:9999999ZZ

Ingred Name:ING 19:EFTS HAVE BEEN REPORTED IN ANIMALS. FOR MORE EXACTING INFO CONCERNING HEALTH HAZARDS, CONTACT NEHC .

RTECS #:9999999ZZ

Ingred Name

:FIRST AID PROC:W/LG AMTS OF H*2O/NORM SALINE OCCAS LIFTING
UPPER & LOWER LIDS, UNTIL NO EVID OF CHEM REMAINS (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:(APPROX 15-20 MINS). GET MD IMMED. INGEST:EXTREME
CARE MUST BE USED TO PVNT ASPIR. GI LAVAGE W/CUFFED (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22:ENDOTRACHEAL TUBE SHLD BE DONE W/IN 15 MINS. IN
ABSENCE OF DEPRESS/CONVLS/IMPAIRED GAG RELEX, EMESIS CAN (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23:BE INDUCED USING SYRUP OF IPEC
AC W/OUT INCR ASPIR
HAZ. TREAT SYMP & SUPPORTIVELY. GET MD IMMED.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC:SMOKING/FLAMES/FLARES IN HAZARD AREA. ISOLATE
AREA & RESTRICT ENTRY.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50:(ORAL,RAT)930 MG/KG.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE:ING 1:INHAL:VAPS MAY CAUSE IRR
IT

OF NOSE & THROAT & LOWER RESP TRACT. IN MASSIVE EXPOS, RAPID CNS
DEPRESS MAY OCCUR W/SUDDEN COLLAPSE, UNCON, COMA & DEATH. THERE MAY
BE CONVLS & VISCERAL DMG. IN G 2:MAY CAUSE RESP TRACT IRRIT; MORE
SEV EXPOS MAY RSLT IN PULM EDEMA. SYSTEMIC EFTS ARE MAINLY ON
CNS.(EFTS OF OVEREXP)

Explanation of Carcinogenicity:BENZENE:IARC GRP 1, NTP KNOWN
CARCINOGEN, OSHA REGULATED.

Effects of Overexposure:HLTH HAZ:LIVER & KIDNEY EFTS MAY OCCUR.
CHROMOSOMAL DMG HAS BEEN FOUND. D

EATH MAY BE DUE TO ASPHYXIA, CNS

DEPRESS, CARDIAC/RESP FAILURE OR CIRCULATORY COLLAPSE. SKIN:ING
1:SLIGHT TO SEV IRRIT; PRLNG CONT MAY RSLT IN ERYTHEMA,
BLISTERING & BURNS. ING 2:MAY CAUSE IRRIT. EYE:ING 1:VAP MAY CAUSE
IRRIT; SPLASHES MAY(ING 5)

Medical Cond Aggravated by Exposure:ING 1:PERSONS W/CHRONIC
SKIN/RESPIRATORY DISEASE. ING 2:PERSONS W/CERTAIN IMMUNOLOGICAL
TENDENCIES, POOR NUTRITION, ANEMIA & DRUG/CHEMICALLY INDUCED
AGRANULOCYTOSIS.

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== First Aid Measures =====

First Aid:INHAL:REMOVE TO FRESH AIR IMMED. IF BRTHG HAS STOPPED, GIVE ARTF RESP. MAINT AIRWAY & BLOOD PRESS & ADMIN O*2 IF AVAIL. KEEP PERS WARM & @ REST. ADMIN OF O*2 SHLD BE PERFORMED BY QUALIFIED MED PERS. G ET MD IMMED. SKIN:REMOVE CONTAM CLTHG & SHOES IMMED. WASH AFFECTED AREA W/SOAP/MILD DETERGENT & LG AMTS OF H*2O UNTIL NO EVID OF CHEM REMAINS (APPROX 15-20 MINS). GET MD IMMED. EYE:WASH IMMED (ING 21)

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

Flash Point:>-40F,>-40C

Lower Limits:1%

Upper Limits:6%

Extinguishing Media:DRY CHEMICAL, CO*2, WATER SPRAY/ALCOHOL-RESISTANT FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG/ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP . MOVE CNTNR FROM FIRE AREA IF YOU CAN DO IT W/OUT RISK. APPLY COOLING H*2O TO SIDES OF CNTNRS THAT (SUPDAT)

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZ WHEN EXPOSED TO

HEAT/FLAME. VAP-AIR MIXTS ARE EXPLO >FL PT. VAPS ARE HVR/AIR & MAY TRAVEL CONSIDERABLE DIST TO SOURCE OF IGNIT & FLASH BACK.

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

Spill Release Procedures:SHUT OFF IGNIT SOURCES. STOP LEAK IF YOU CAN DO IT W/OUT RISK. USE H*2O SPRAY TO REDUCE VAPS. FOR SM SPILLS, TAKE UP W/SAND/OTHER ABSORB MATL & PLACE INTO CNTNRS FOR LATER DISP. FOR LGR SPILLS, DIKE F AR AHEAD OF SPILL FOR LATER DISP. NO (ING 25

)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE I/A/W 29CFR1910.106. OBSERVE ALL FED, STATE & LOC REGS WHEN STORING THIS SUBSTANCE. FOR ASSISTANCE, CONT DISTRICT DIRECTOR OF EPA.

Other Precautions:BONDING & GROUNDING:SUBSTANCES W/LOW ELECTROCONDUCTIVITY, WHICH MAY BE IGNITED BY ELECTROSTATIC SPKS, SHLD BE STORED IN CNTNRS WHICH MEET GUIDELINES SPECIFIED IN NFPA.

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TORE AWAY FROM INCOMPAT SUBSTANCES.

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

Respiratory Protection:SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAM LEVELS FOUND IN WORK PLACE, MUST NOT EXCEED WORKING LIMITS OF RESPIRATOR & BE NIOSH/MSHA APPROVED. FOR SPECIFIC RESPIRATOR SELECTION, CONTACT NEHC .

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO MEET PELs. VENTILATION EQUIPMENT MUST BE EXPLOSION-PROOF.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:

CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:APPROP PROT (IMPERVIOUS) CLTHG & EQUIP.

PROVIDE EYE WASH FOUNTAIN W/IN IMMEDIATE WORK AREA FOR EMERGENCY USE.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT:ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS. FOR MASSIVE FIRES IN CARGO AREA, USE UNMANNED HOSE HOLDER/MONITOR NOZZ; IF IMPOSS, W/DRAW FROM AREA & LET FIRE BURN. W/DRAW IMMEDIATE IN CASE

OF RISING SOUND FROM VENTING

SOUND SFTY DEVICE/ANY DISCOLORATION OF TANK DUE TO FIRE. (ING 3)

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

Boiling Pt:B.P. Text:>86F,>30C

Melt/Freeze Pt:M.P/F.P Text:-70F,-57C

Vapor Pres:40 @ 20C

Vapor Density:3.4

Spec Gravity:0.74

Evaporation Rate & Reference:10 (BUTYL ACETATE = 1)

Solubility in Water:0.04%

Appearance and Odor:COLORLESS LIQUID W/ODOR LIKE GASOLINE OR KEROSENE.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDANTS.

Stability Condition to Avoid:AVOID CONTACT W/HEAT, SPKS, FLAMES/OTHER

SOURCES OF IGNIT. VAPORS MAY BE EXPLO. AVOID OVERHEATING OF CONTAINERS.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC CO₂.

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

Waste Disposal Methods:DISP MUST BE I/A/W STDS APPLIC TO GENERATORS OF HAZ WASTE, 40CFR262. EPA HAZ WASTE NO:D001. ING 2:EP

A HAZ WASTE

NO:D018. OBSERVE ALL FED, STATE & LOC REGS WHEN DISP OF THIS SUBSTANCE. FOR ASSISTANCE, CONT DISTRICT DIRECTOR OF EPA.

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