

RESEARCH SOLVENTS AND CHEMICALS INC. -- MARSOL 48 -- 6850-00-538-0929

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Product Identification  
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Product ID:MARSOL 48

MSDS Date:11/17/1987

FSC:6850

NIIN:00-538-0929

MSDS Number: BSFPH

=== Responsible Party ===

Company Name:RESEARCH SOLVENTS AND CHEMICALS INC.

Address:402 INDUSTRIAL PARK DR.

City:PELHAM

State:AL

ZIP:35124

Country:US

Info Phone Num:205-663-6350

Emergency Phone Num:205-663-6

350 800-424-9300(CHEMTREC)

Preparer's Name:PERRY M. FORMAN

CAGE:RESEA

=== Contractor Identification ===

Company Name:RESEARCH SOLVENTS & CHEMICALS, INC.

Address:402 INDUSTRIAL PARK DRIVE

City:PELHAM

State:AL

ZIP:35124

Country:US

Phone:205-663-6350

CAGE:RESEA

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Composition/Information on Ingredients  
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Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT

Rpt Qty:1000 LBS

Ingred Name:NAPHTHA, LIGHT ALIPHATIC  
CAS:64742-89-8  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM

Ingred Name:N-HEPTANE  
CAS:142-82-5  
RTECS #:MI7700000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ACETATE (SARA III)  
CAS:141-78-6  
RTECS #:AH5425000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9293

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

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

Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES:IRRITANT.SKIN:MAY CAUSE  
IRRITATION,DEFATTING AND DERMATITIS.INHAL:HIGH VAPOR CONCENTRATION  
MAY CAUSE CNS EFFECTS.INGEST:UNLIKELY ROUTE OF EXPOSURE;NO HAZARD  
ANTICIPATED.  
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.  
Effects of Overexposure:EYES:IRRITATION OF EYES,NOSE AND  
THROAT.SKIN:DEFATTING AND  
DERMATITIS.INHAL:H  
EADACHE,NAUSEA,FATIGUE,POSSIBLE UNCONSCIOUSNESS  
...ASPHYXIZATION WITH PROLONGED EXPOSURE.  
Medical Cond Aggravated by Exposure:NO DATA.

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

First Aid:EYES:FLUSH WITH CLEAR WATER FOR 15 MINUTES OR UNTIL  
IRRITATION SUBSIDES.CALL PHYSICIAN IF IRRITATION  
PERSISTS.SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND  
WATER.LAUNDRER CLOTHING BEFORE REUSE.I NHAL:REMOVE TO FRESH AIR.GIVE  
OXYGEN ORARTIFICIAL RESPIRATION IF  
NEEDED.GET MEDICAL  
ATTENTION.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED  
MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:28.0F,-2.2C  
Lower Limits:1.6  
Upper Limits:9  
Extinguishing Media:WATER SPRAY,CARBON DIOXIDE,FOAM,DRY CHEMICAL.  
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER  
SPRAY.  
Unusual Fire/Explosion Ha  
zard:HANDLE AS A FLAMMABLE LIQUID.

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

Spill Release Procedures:SHUT OFF SPILL;ELIMINATE SOURCES OF  
IGNITION;REMOVE PERSONNEL.SOAK UP WITH A NON-COMBUSTIBLE  
ADSORBANT;PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL,DRY AREA.DO NOT STORE  
NEAR HEAT,SPARKS,FLAME OR STRONG OXIDIZERS

.KEEP CLOSED WHEN NOT IN USE.

Other Precautions:USE ONLY WITH ADEQUATE VENTILATION.AVOID PROLONGED SKIN CONTACT.DO NOT REUSE EMPTY CONTAINERS.DO NOT CUT,WELD OR BRAZE EMPTY CONTAINERS,AS THEY MAY CONTAIN RESIDUES.EMPTY CONTAINERS SHOULD BE PROPERLY LABELED.

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

Respiratory Protection:USE A SELF-CONTAINED BREATHING APPARATUS ABOVE TLV.

Ventilation:LOCAL EXHAUST IS ADEQUATE.

Protective Gloves:RUBBER OR PVA

Eye Pr

tection:CHEMICAL GOGGLES

Other Protective Equipment:EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

NONE

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

HCC:F2

Boiling Pt:B.P. Text:170-300F

Vapor Pres:54

Vapor Density:3.1

Spec Gravity:0.788

Evaporation Rate & Reference:3.6

Solubility in Water:SLIGHT

Appearanc

e and Odor:LIQUID;CLEAR,COLORLESS;MILDLY SWEET ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HEAT,SPARKS,OPEN FALMES AND FIRE.

Hazardous Decomposition Products:CARBON MONOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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