

SOUTHWEST SOLVENTS AND CHEMICALS -- AA 59281 TYPE 1 -- 6850-01-016-3482

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

Product ID:AA 59281 TYPE 1

MSDS Date:07/12/1999

FSC:6850

NIIN:01-016-3482

Status Code:A

MSDS Number: CKXYF

=== Responsible Party ===

Company Name:SOUTHWEST SOLVENTS AND CHEMICALS

Box:41065

City:HOUSTON

State:TX

ZIP:77241

Country:US

Info Phone Num:713-937-9300

Emergency Phone Num:800-424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:0NAL5

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-01M-C551

CAGE:4N760

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-01M-D417

CAGE:4N760

Company Name:SOUTHWEST SOLVENTS AND CHEMICA

LS
Box:41065
City:HOUSTON
State:TX
ZIP:77241
Country:US
Phone:713-937-9300
CAGE:0NAL5

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

Ingred Name:MIXED XYLENES
CAS:1330-20-7
RTECS #:ZE2100000
= Wt:25.
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:651 MG/M3;150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL ACETATE
CAS:141-78-6
RTECS #:AH5425000
OSHA PEL:1400 MG/M3;400 PPM
ACGIH TLV:1440 MG/M3;400 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:LIGHT A
LIPHATIC SOLVENT NAPHTHA
CAS:64742-89-8

Ingred Name:METHYL ETHYL KETONE
CAS:78-93-3
RTECS #:EL6475000
= Wt:19.
OSHA PEL:590 MG/M3;200 PPM
ACGIH TLV:590 MG/M3;200 PPM
ACGIH STEL:885 MG/M3;300 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPANOL
CAS:67-63-0
RTECS #:NT8050000
OSHA PEL:980 MG/M3;400 PPM
ACGIH TLV:983 MG/M3;400 PPM
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:ETHYLBENZENE
CAS:100-41-4
RTECS #:DA0700000
= Wt:6.
OSHA PEL:435 MG/M3;100 PPM
ACGIH TLV:434 MG/M3;100 PPM
AC

GIH STEL:543 MG/M3;125 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name: BENZENE
CAS: 71-43-2
RTECS #: CY1400000
< Wt.: 1
OSHA PEL: SEE 1910.1028
ACGIH TLV: 32 MG/M3; 10 PPM
EPA Rpt Qty: 10 LBS
DOT Rpt Qty: 10 LBS

Ingred Name: CUMENE
CAS: 98-82-8
RTECS #: GR8575000
< Wt.: 1
OSHA PEL: 245 MG/M3; 50 PPM
ACGIH TLV: 246 MG/M3; 50 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

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

LD50 LC50 Mixture: MEK: LC50 (VAPORS) 3400.0 MG/KG (RATS
)

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: EYE & SKIN CONTACT: PRIMARY IRRITATION
TO SKIN, DEFATTING, DERMATITIS. ABSORPTION THRU SKIN INCREASES
EXPOSURE. PRIMARY IRRITATION TO EYES. LIQUID CAN CAUSE EYE
IRRITATION. INHALATION: ANESTHETIC. IRRITATES RESPIRATORY TRACT.
ACUTE OVEREXPOSURE CAUSE SERIOUS NERVOUS SYSTEM DEPRESSION. VAPOR
HARMFUL. BREATHING VAPOR CAN CAUSE IRRITATION.
ACUTE OVEREXPOSURE
CAN CAUSE DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER & LUNGS.
SWALLOWING: HARMFUL OR FATAL IF SWALLOWED. SWALLOWING CAN CAUSE
ABDOMINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA. CHRONIC
OVEREXPOSURE CAN CAUSE DAMAGE TO KIDNEYS, BLOOD, LIVER, NERVES AND
LUNGS.

Explanation of Carcinogenicity: DUE TO METABOLIC DIFFERENCES, THE TEST
RESULTS ARE NOT RELEVANT IN HUMANS. THIS PRODUCT MAY CONTAIN LESS
THAN 52 PPM OF BENZENE, A KNOWN CARCINOGEN.

Effects of

Overexposure:EYE & SKIN CONTACT: PRIMARY IRRITATION TO SKIN, DEFATTING, DERMATITIS. ABSORPTION THRU SKIN INCREASES EXPOSURE. PRIMARY IRRITATION TO EYES, REDNESS, TEARING, BLURRED VISION. LIQUID CAN CAUSE EYE IRRITATION. WASH THOROUGHLY AFTER HANDLING. INHALATION: ANESTHETIC. IRRITATES RESPIRATORY TRACT. ACUTE OVEREXPOSURE CAUSE SERIOUS NERVOUS SYSTEM DEPRESSION. VAPOR HARMFUL. BREATHING VAPOR CAN CAUSE IRRITATION. ACUTE OVEREXPOSURE CAN CAUSE DAMAGE TO KIDNEYS, BLO

OD, NERVES, LIVER & LUNGS.

SWALLOWING: HARMFUL OR FATAL IF SWALLOWED. SWALLOWING CAN CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA.

Medical Cond Aggravated by Exposure:CHRONIC OVEREXPOSURE CAN CAUSE DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER & LUNGS. PERSONS WITH SEVERE SKIN, LIVER OR KIDNEY PROBLEMS SHOULD AVOID USE.

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

First Aid:EYE CONTACT: FOR EYES, FLUSH WITH PLENTY OF WATER FOR 15 MINUTES & GET M

EDICAL ATTENTION. SKIN CONTACT: IN CASE OF CONTACT WITH SKIN IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH THOROUGHLY WITH SOAP & WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. (DISCARD CONTAMINATED SHOES.) INHALATION: AFTER HIGH VAPOR EXPOSURE, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN IMMEDIATELY. SWALLOWING: IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITIN

G. HAVE PATIENT LIE DOWN & KEEP WARM. VOMITING MAY LEAD TO PNEUMONITIS, WHICH MAY BE FATAL.

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

Flash Point Method:TCC

Flash Point:=-7.6C, 18.F

LOWEST COMPONENT

Autoignition Temp:=-290.6C, 555.F

Autoignition Temp Text:LOWEST

Lower Limits:1.6

Extinguishing Media:NFPA CLASS B EXTINGUISHERS (CARBON DIOXIDE OR FOAM) FOR CLASS I B LIQUID FIRES.

Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT PROTECT FIRE

-FIGHTERS & COOL CLOSED CONTAINERS. USE FOG NOZZLES IF WATER IS USED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR. (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES & RUBBER BOOTS). USE NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: EXTREMELY FLAMMABLE. VAPORS CAUSE FLASH FIRE. KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT & OPEN FLAME. CLOSED CONTAINERS EXPLODE IF

EXPOSED TO EXTREME HEAT. APPLYING TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. EMPTY CONTAINER VERY HAZARDOUS. CONTINUE ALL LABEL PRECAUTIONS.

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

Spill Release Procedures: STOP SPILL AT SOURCE. DIKE AREA & CONTAIN. CLEAN UP REMAINDER WITH ABSORBENT MATERIALS. MOP UP & DISPOSE OF. PERSONS WITHOUT PROPER PROTECTION SHOULD BE KEPT FROM AREA UNTIL CLEANED UP.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions: DO NOT STORE ABOVE 49 C/120 F. STORE LARGE AMOUNTS IN STRUCTURES MADE FOR OSHA CLASS IB LIQUIDS. KEEP CONTAINER TIGHTLY CLOSED & UPRIGHT WHEN NOT IN USE TO PREVENT LEAKAGE. ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT & OPEN FLAMES.

Other Precautions: USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING OF VAPOR OR SPRAY MIST. AVOID CONTACT WITH SKIN & EYES. VAPORS MAY IGNITE EXPLOSIVELY & SPREAD LONG DISTANCES. PREVENT VAPOR BUILDUP. PUT OUT PILOT LIGHTS & TURN OFF HEATERS, ELECTRIC EQUIPMENT & OTHER IGNITION SOURCES DURING USE & UNTIL ALL VAPORS ARE GONE.

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

Respiratory Protection: VENTILATE TO KEEP VAPORS OF THIS MATERIAL BELOW 90 PPM. IF OVER TLV, IN ACCORDANCE WITH 29 CFR 1910.134, USE NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS. CONSUME

LT SAFETY EQUIPMENT SUPPLIER. USE EXPLOSION-PROOF EQUIPMENT.
Ventilation:LOCAL EXHAUST: NECESSARY, MECHANICAL (GENERAL): ACCEPTABLE,
SPECIAL/OTHER: NONE.
Protective Gloves:WEAR IMPERVIOUS GLOVES.
Eye Protection:WEAR OSHA STANDARD GOGGLES OR FACE SHIELD.
Other Protective Equipment:WEAR OSHA STANDARD GOGGLES OR FACE SHIELD.
CONSULT SAFETY EQUIPMENT SUPPLIER. WEAR GLOVES, APRON & FOOTWEAR
IMPERVIOUS TO THIS MATERIAL. WASH CLOTHING BEFORE REUSE.
Work Hygienic Practices:WASH CONTAMINATED
CLOTHING BEFORE REUSE.
DISCARD CONTAMINATED SHOES.

Supplemental Safety and Health
THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICAITION
STANDARD). IMPORTANT: READ THIS MSDS BEFORE HANDLING & DISPOSING OF
THIS PRODUCT. PASS THIS INFORMATION ON TO EMPLOYEES, CUSTOMERS &
USERS OF THIS PRODUCT.

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

HCC:F2
Boiling Pt.=142.2C, 288.F
B.P. Text:162 / 218 / 288F
Vapor Pres:(MM OF HG)@20C: 43.7
Vapor Density:3.0
Spec Gravity:.825
VOC Grams/Liter:6.87
Solubility in Water:APPRECIABLE
Appearance and Odor:WATER-WHITE LIQUID. ODOR: KETONE

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

Stability Indicator/Materials to Avoid:YES
ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT & OPEN FLAME.
Stability Condition to Avoid:STABLE
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE FROM
BURNING.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:DUE TO METABOLIC DIFFERENCES, THE RESULTS ARE
NOT RELEVANT IN HUMANS. THIS PRODUCT MAY CONTAIN LESS THAN 52 PPM
BENZENE. NOT CONSIDERED HAZARDOUS IN SUCH LOW CONCENTRATIONS.
ABSORPTION THRU SKIN MAY BE HARMFUL. STUDIES WITH LABORATORY
ANIMALS INDICATE THIS PRODUCT CAN CAUSE DAMAGE TO FETUS.

===== Ecological Information =====

Ecological:NO DATA PROVIDED BY MANUFACTURER.

=

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

Waste Disposal Methods:RECYCLE OR DISPOSE OF OBSERVING LOCAL, STATE & FEDERAL HEALTH, SAFETY & POLLUTION LAWS. IF QUESTIONS EXIST, CONTACT THE APPROPRIATE AGENCIES.

===== MSDS Transport Information =====

Transport Information:IF > 395 LBS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" IS EXCEEDED. DOT SHIPPING NAME: RQ, PAINT RELATED MATERIAL (CONTAINS MIXED XYLENES), 3, UN1263, PG I
I. DRUM LABEL: FLAMMABLE.

===== Regulatory Information =====

SARA Title III Information:SARA SECTION 311/312 HAZARDS: ACUTE HEALTH, FIRE. THE FOLLOWING INGREDIENTS ARE LISTED UNDER SARA SECTION 313: XYLENES, METHYL ETHYL KETONE, ETHYLBENZENE.

Federal Regulatory Information:THE FOLLOWING INGREDIENTS ARE LISTED IN RCRA: XYLENES, METHYL ETHYL KETONE, ETHYLBENZENE. THE FOLLOWING INGREDIENTS ARE LISTED HAZARDOUS AIR POLLUTANTS (HAP) UNDER THE CLE

AN AIR ACT: XYLENES, LIGHT AROMATIC SOLVENT NAPHTHA, ETHYLBENZENE.

State Regulatory Information:CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER & REPRODUCTIVE TOXICITY: BENZENE.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.