

CHEMICAL SPECIALISTS & DEVELOPMENT -- DRY CLEANING SOLVENT -- 6850-00-597-9765

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

Product ID: DRY CLEANING SOLVENT

MSDS Date: 01/15/1991

FSC: 6850

NIIN: 00-597-9765

MSDS Number: BWFMN

=== Responsible Party ===

Company Name: CHEMICAL SPECIALISTS & DEVELOPMENT

Address: #5 HACKBERRY LANE

City: CUT & SHOOT

State: TX

ZIP: 77303

Country: US

Info Phone Num: 409-756-1065

Emergency Phone Num: 800-424-9300 (CHEMTREC)

Preparer's Name: DAVID SHIPP

CAGE: CHEMS

=== Contractor Identification ===

Company Name: CHEMICAL SPECIALISTS INC

Address: 149 WEST TRIGG AVE

City: HARRISBURG

State: NC

ZIP: 28075

Country: US

Phone: 704-522-0825

CAGE: CHEMS

Company Name: CSD INC. (PRE 1985 NAME: MATHEWS, INC)

Address: 420 SEABOARD DRIVE

Box: City: MATTHEWS

State: NC

ZIP: 28105-5073

Country: US

Phone: 704-821-9822

CAGE: 5W216

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

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Ingred Name: METHYLENE

CHLORIDE (SARA 313)(NIOSH LIMIT:75 PPM,8 HR TWA  
500 PPM 15 MIN CEIL;OSHA MAX PEAK >CEILING 2000 PPM 5 MIN/8HR)  
CAS:75-09-2  
RTECS #:PA8050000  
Fraction by Wt: 25%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:500 PPM;CEIL 1000PPM  
ACGIH TLV:100 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES (NIOSH LIMIT: 350 MG/M3-8  
HR TWA; 1800 MG/M3 AS DETERMINED BY 15 MINUTE SAMPLE)  
CAS:8052-41-3  
RTECS #:WJ8925000  
Fraction by Wt: 70%  
Other REC Limits:NONE RECOMMEN  
DED  
OSHA PEL:500 PPM  
ACGIH TLV:100 PPM

Ingred Name:PERCHLOROETHYLENE (SARA 313) (OSHA MAX PEAK >CEILING  
CONCENTRATION 8 HR SHIFT, 300 PPM MAX PEAK, 300 8HR,5MIN/3 HR)  
CAS:127-18-4  
RTECS #:KX3850000  
Fraction by Wt: 5%  
Other REC Limits:NIOSH: 50 PPM-8HR  
OSHA PEL:100 PPM;CEIL 200 PPM  
ACGIH TLV:50 PPM;STEL 200 PPM  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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

Health Hazards Acute and Chronic:EYE: SEVERE IRRITATION, REDNESS,  
TE  
ARING, BLURRED VISION. SKIN: PROLONGED/REPEATED: IRRIT,  
DEFATTING, DERMATITIS. INHAL: NASAL & RESP IRRIT, DIZZY,  
WEAK,FATIGUE,NAUSEA,HEADACHE,UNCONSCIOUSNESS,ASPHYXI ATION.  
INGEST:GI IRRIT,NAUSEA,VOMITING,DIARRHEA.ASPIRATION INTO LUNGS CAN  
CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.  
Explanation of Carcinogenicity:NATIONAL CANCER INSTITUTE HAS CONCLUDED  
FROM RESULTS OF BIOASSAY THAT PERCHLOROETHYLENE IS A LIVER  
CARCINOGEN.  
Effects of Overexposure:N/K CHRONIC: RAISED CA

RBON MONOXIDE BLOOD

LEVEL (CARDIAC STRESS). LIVER ABNORMALITIES, KIDNEY DAMAGE, LUNG DAMAGE, BRAIN DAMAGE.

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

First Aid:EXTERNAL: WASH W/SOAP & WATER. REMOVE CONTAMNTD CLOTHES. WASH CONTMNTD CLOTHES BEFORE REUSE. EYES:FLUSH W/LRG AMTS WATER, LIFTING UPPER/LOWER LIDS. GET MED AID. INTERNAL: DON'T INDUCE VOMITING. KEEP W ARM & QUIET. GET PROMPT MED AID. INHAL:REMOVE TO FRESH AIR. IF BREATHING DIFFICULT, GIVE OXYGEN. IF BREATHING STOPPED, GIVE ARTIF RESPRTN. KEEP WARM & QUIET. GET IMMED MED AID. DON'T GIVE STIMULANTS.

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

Flash Point:200F,93C

Autoignition Temp:Autoignition Temp Text:490F

Lower Limits:1.0

Extinguishing Media:REGULAR FOAM, OR CARBON DIOXIDE, OR DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND MODE OR OTHER POSITIVE PRESS

URE MODE WHEN FIGHTING FIRES.

Unusual Fire/Explosion Hazard:NEVER USE WELD/CUT TORCH ON/NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT/RESIDUE IGNITE EXPLOSIVELY.VAPOR HEAVIER THAN AIR,MAY TRAVEL ALONG GROUND/MOVED BY VENT,IGNIT

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

Spill Release Procedures:SMALL:ABSORB ON PAPER, VERMIC, FLOOR ABSORBENT, ETC. LARGE: ELIMINATE IGNIT SOURCES. EVACUATE UNPROTECTED PERSONS. STOP SPILL AT SOURCE. PUMP LIQ TO SALVAGE TANK. R

EMAINING IQ MAY BE TAKEN UP ON SAND, CLAY,EARTH,FLOOR ABSORBENT,ETC. SHOVEL TO CNTNRS.

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

Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED.

Other Precautions:SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS SHEET MUST BE OBSERVED.

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

Respir

atory Protection:IF WORKPLACE EXPOSURE LIMITS OF PRODUCT OR ANY COMPONENT EXCEEDED, NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NI OSH/MSHA RESPIRATORS (NEG PRESSURE) \*

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL/LOCAL EXHAUST) TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:WEAR RESISTANT GLOVES SUCH AS NEOPRENE

Eye Protection:CHEMICAL SPLASH GOGGLES ADVISED

Other Protective Eq

uipment:TO PREVENT PROLONGED OR REPEATED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

Supplemental Safety and Health

\* UNDER SPECIFIED CONDITIONS (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

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

Boiling Pt:B.P. Text:103F,39C

Vapor Pres:340

Spec Gravity:>1 (WATER=1)

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:NEGLI

GIBLE

Appearance and Odor:CLEAR, LITTLE IF ANY COLOR; CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

Corrosion Rate:NOT CORR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

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