

CHEMICAL SPECIALISTS AND DEVEL -- P-D 680A, TYPE III, DRY CLEANING SOLVENT

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MSDS Safety Information
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FSC: 6850
NIIN: 01-377-1916
MSDS Date: 05/22/1991
MSDS Num: CJKYJ
Product ID: P-D 680A, TYPE III, DRY CLEANING SOLVENT
MFN: 01
Responsible Party
Cage: 4N760
Name: CHEMICAL SPECIALISTS AND DEVELOPMENT
Address: 5 HACKBER
RY LANE
Box: 3087
City: CONROE TX 77305
Info Phone Number: 409-756-1065/1083 FAX DAVID /SHANAN
Emergency Phone Number: 800-292-3336
Resp. Party Other MSDS No.: HDHA-C-25042
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 4N760
Name: CHEMICAL SPECIALISTS AND DEVELOPMENT INC
Address: 2210 HACKBERRY LN
Box: 687
City: CONROE TX 77305
Phone: 409-756-1065
Contract Num
ber: SP0450-99-M-C860

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Item Description Information
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Item Manager: S9G
Item Name: CLEANING COMPOUND,SOLVENT
Specification Number: P-D-680
Type/Grade/Class: TY III
Unit of Issue: CN
Quantitative Expression: 00000000004OZ
UI Container Qty: 0
Type of Container: CAN

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Ingredients
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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYE-SLIGHTLY IRRITATING BUT DOES NOT INJURE EYE TISSUE.

SKIN-LOW ORDER OF TOXICITY. FREQUENT OR PROLONGED CONTACT MAY IRRITATE &
CAUSE DERMATITIS. INHALATION-HIGH VAPOR/A

EROSOL CONCENTRATIONS ARE IRRI

TATING TO THE EYES & THE RESPIRATORY TRACT. INGESTION-MINIMAL TOXICITY.

SMALL AMOUNTS OF THIS PRODUCT ASPIRATED INTO THE RESPIRATORY SYSTEM DURING
INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMON ARY INJURY, POSSIBLY
PROGRESSING TO DEATH.

Signs And Symptions Of Overexposure: INHALATION-MAY CAUSE HEADACHE, DIZZINESS,
ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM
EFFECTS INCLUDING DEATH.

Medical Cond Aggravated By Expo

sure: SKIN CONTACT MAY AGGRAVATE AN EXISTING
DERMATITIS CONDITION.

First Aid: EYE-FLUSH EYES WITH LARGE AMOUNTS OF WATER UNTIL IRRITATION

SUBSIDES. IF IRRITATION PERSITS, GET MEDICAL ATTENTION. SKIN-FLUSH WITH LARGE
AMOUNTS OF WATER; USE SOAP. REMOVE GROSSLY CONTAMINATED CLOTHI NG. LAUNDER
BEFORE RESUE. INHALATION-USING PROPER RESPIRATORY PROTECTION, IMMEDIATELY
REMOVE THE AFFECTED VICTIM FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION
IF BREATHING IS STOPPED. KEEP AT REST. CALL FO

R PROMPT MEDICAL ATTENTION.

INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. KEEP AT REST. GET PROMPT
MEDICAL ATTENTION.

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Handling and Disposal
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Spill Release Procedures: ELIMINATE SOURCES OF IGNITION. PREVENT ADDITIONAL

DISCHARGE OF MATERIAL, IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILL
IMPLEMENT CLEANUP PROCEDURES; FOR LARGE SPILLS IMPLEMENT CLEANUP PROCEDURE S
& I

IF IN PUBLIC AREA, KEEP PUBLIC AWAY & ADVISE AUTHORITIES. PREVENT LIQUID FROM ENTERING WATERCOURSES, SEWERS, LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. RECOVER BY PUMPING.

Handling And Storage Precautions: ELECTROSTATIC ACCUMULATION HAZARD? YES, USE PROPER GROUNDING PROCEDURES. STORAGE TEMPERATURE: AMBIENT. STORAGE PRESSURE:

ATMOSPHERIC. LOADING TEMPERATURE: AMBIENT. DO NOT STORE OR MIX WITH STRONG OXIDANTS SUCH AS LIQUID CHLORINE OR CONCENTRATED OXYGEN.

Other Precaution

Spills: WATER SPILL: REMOVE FROM SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENT. IF ALLOWED BY LOCAL AUTHORITIES AND ENVIRONMENTAL AGENCIES, SINKING AND/OR SUITABLE DISPERSANT MAY BE USED IN NON-CONFINED WATERS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash

Point: =115.C, 239.F

Autoignition Temp: =312.2C, 594.F

Lower Limits: 0.6

Upper Limits: 7.0

Extinguishing Media: USE FOAM, DRY CHEMICAL, OR WATER SPRAY TO EXTINGUISH FIRE.

Fire Fighting Procedures: USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOILOVER.

Unusual Fire/Explosion Hazard: LOW HAZARD, LIQUID CAN BURN UPON HEATING TO TEMPERATURES AT OR ABOVE THE FLASH

POINT. STATIC DISCHARGE, MATERIAL CAN

ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPORS) AND CAN BE DANGEROUS.

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Control Measures
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Respiratory Protection: WHERE CONCENTRATION IN AIR MAY EXCEED THE LIMITS GIVEN IN THIS SECTION AND ENGINEERING, WORK PRACTICE OR OTHER MEANS OF EXPOSURE REDU

CTION ARE NOT ADEQUATE, NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation: THE USE OF MECHANICAL DILUTION VENTILATION IS RECOMMENDED WHENEVER THIS PRODUCT IS USED IN A CONFINED SPACE, IS HEATED ABOVE AMBIENT TEMP OR IS AGITATED.

Protective Gloves: CHEMICAL RESISTANT

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment: FOR OPEN SYSTEMS WHERE CONTACT IS LIKELY, WEAR LONG SLEEVES.

Supplemental Safety and Health: HEALTH

TH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIOAN HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED.

Physical/Chemical Properties

HCC: V5

B.P. Text: 532 - 581

Melt/Freeze Pt: <0.C, 32.F

Vapor Pres: <0 @ 100F

Spec Gravity: 0.82 @ 60F

Viscosity: 9CST @ 77F

Appearance and Odor: CLEAR COLORLESS LIQUID.

Reactivity Data

Stability Indicator: YES

Materials To Avoid: STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM OR CALCIUM HYPOCHLORITE

Hazardous Decomposition Products: NONE

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Toxicological Information: LABORATORY ANIMAL STUDIES HAVE SHOWN THAT PRLONGED AND REPEATED INHALATION EXPOSURE TO LIGHT HYDROCARBON VAPORS IN THE SAME NAPTHA BOILING RANGE AS THIS PRODUCT CAN PRODUCE ADVERSE KIDNEY EFFECTS IN MALE RATS. HOWEVER, THESES EFFECTS WERE NOT OBSERVED IN SIMILIAR STUDIES WITH FEMALE RATS AND MALE AND FEMALE MICE AND IN LIMITED STUDIES WITH OTHER ANIMAL SPECIES. ADDITIONALLY, IN A NUMBER OF HUMAN S TUDIES, THERE WAS NO CLINICAL EVIDENCE OF SUCH EFFECTS AT NORMAL OCCUPATIONAL LEVELS.

Ecological Information

MSDS Transport Information

Transport Information: DOT HAZARD CLASS: NOT REGUALTED. DOT IDENTIFICATION NUMBER: NOT AVAILABLE.

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Regulatory Information
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Sara Title III Information: UNDER THE PROVISIONS OF TITLE III, SECTION 311/312 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: DELAYED HEALTH.

Federal Regulatory Information: CERCLA: IF THIS PRODUCT IS ACCIDENTALLY SPILLED, IT IS NOT SUBJECT TO ANY SPECIAL REPORTING UNDER THE REQUIREMENTS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT. WE RECOM MEND YOU CONTACT LOCAL AUTHORITIES TO DETERMINE IF THERE MAY BE OTHER LOCAL REPORTING REQUIREMENTS. TSCA: THIS PRODUCT IS LISTED ON THE TSCA INVENTORY AT CAS NUMBER 64742-46-7.

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Other Information
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Other Information: EXXON RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS: 200PPM TOTAL HYDROCARBON BASED ON COMP OSITION.

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Transportation Information
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Responsible Party Cage: 4N760
Trans ID NO: 147616
Product ID: P-D 680A, TYPE III, DRY CLEANING SOLVENT
MSDS Prepared Date: 05/22/1991
Review Date: 08/28/1999
MFN: 1
Net Unit Weight: 0.2 LBS
Multiple KIT Number: 0
Unit Of Issue: CN
Container QTY: 0
Type Of Container: CAN

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information

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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label

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Product ID: P-D 680A, TYPE III, DRY CLEANING SOLVE

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Cage: 4N760

Company Name: CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Street: 2210 HACKBERRY LN

PO Box: 687

City: CONROE TX

Zipcode: 77305

Health Emergency Phone: 800-292-3336

Label Required IND: Y

Date Of Label Review: 08/28/1999

Status Code: A

MFG Label NO: 6850013313349

Label Date: 09/01/1997

Year Procured: 1999

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard:

Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: EYE-SLIGHTLY IRRITATING BUT DOES NOT INJURE EYE TISSUE.

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