

BARTON SOLVENTS, INC. -- 60031630,BARSOL A-2688 -- 6850-00-611-7993

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

Product ID:60031630,BARSOL A-2688

MSDS Date:03/24/1998

FSC:6850

NIIN:00-611-7993

Status Code:A

MSDS Number: CKQSG

=== Responsible Party ===

Company Name:BARTON SOLVENTS, INC.

Address:1920 N.E. BROADWAY

Box:221

City:DES MOINES

State:IA

ZIP:50301

Country:US

Info Phone Num:(515) 265-7998

Emergency P

hone Num:515-265-7998

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:FO636

=== Contractor Identification ===

Company Name:BARTON SOLVENTS, INC.

Address:1920 N.E. BROADWAY

Box:221

City:DES MOINES

State:IA

ZIP:50301

Country:US

Phone:(515) 265-7998

CAGE:FO636

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

CAGE:0A9L8

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

Ingred Name:TOLU

ENE  
CAS:108-88-3  
RTECS #:XS5250000  
= Wt:25.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:SEE TABLE Z-2  
ACGIH TLV:188 MG/M3;50 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
= Wt:20.  
Other REC Limits:NOT PROVIDED  
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:ETHYL ACETATE  
CAS:141-78-6  
RTECS #:AH5425000  
&gt; Wt:9.  
Other REC Limits:NOT PROVIDED  
OSHA PE  
L:1400 MG/M3;400 PPM  
ACGIH TLV:1440 MG/M3;400 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL  
CAS:67-63-0  
RTECS #:NT8050000  
&gt; Wt:9.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:980 MG/M3;400 PPM  
ACGIH TLV:983 MG/M3;400 PPM  
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:LIGHT ALIPHATIC SOLVENT NAPHTHA (D)  
CAS:64742-89-8  
&gt; Wt:9.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM

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

LD50 LC50

Mixture:NOT PROVIDED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health Hazards Acute and Chronic:POTENTIAL ACUTE HEALTH EFFECTS:

HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT, PERMEATOR), OF EYE CONTACT(IRRITANT), OF INGESTION, OF INHALATION. SLIGHTLY HAZARDOUS IN CASE OF SKIN CONTACT (SENSITZER). SEVERE OVER-EXPOSURE CAN RESULT IN DEATH. POTENTIAL CHRONIC HEALTH EFFECTS: REPEATED EXPOSURE TO AN HIGHLY TOXIC MATER

IAL MAY PRODUCE GENERAL

DETERIORATION OF HEALTH BY AN ACCUMULATION IN ONE OR MANY HUMAN ORGANS. INHALATION OF VAPORS MAY CAUSE DIZZINESS, AN IRREGULAR HEARTBEAT, NARCOSIS, NAUSEA OR ASPHYXIATION. EXPOSURE CAN CAUSE LUNG IRRITATION, CHEST PAIN AND EDEMA WHICH MAY BE FATAL.

Explanation of Carcinogenicity:CLASSIFIED A5 (NOT SUSPECTED FOR HUMAN)

BY ACGIH, 4 (PROBABLY NOT FOR HUMAN) BY IARC (TOLUENE). CLASSIFIED A5 (NOT SUSPECTED FOR HUMAN). BY ACGIH, 4 (PROBABLY NOT FOR HUMAN)

N)

BY IARC (METHYL ETHYL KETO NE). CLASSIFIED A5 (NOT SUSPECTED FOR HUMAN) BY ACGIH, 4 (PROBABLY NOT FOR HUMAN) BY IARC (ISOPROPYL ALCOHOL).

Effects of Overexposure:HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT,

PERMEATOR), OF EYE CONTACT(IRRITANT), OF INGESTION, OF INHALATION. SLIGHTLY HAZARDOUS IN CASE OF SKIN CONTACT (SENSITZER). INHALATION OF VAPORS MAY CAUSE D IZZINESS, AN IRREGULAR HEARTBEAT, NARCOSIS, NAUSEA OR ASPHYXIATION. EXPOSURE CAN CAUSE LUNG IRRITATION, CH

EST

PAIN AND EDEMA WHICH MAY BE FATAL.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYE CONTACT: CHECK FOR AND REMOVE ANY CONTACT LENSES. SO NOT USE AN EYE OINTMENT. SEEK MEDICAL ATTENTION. FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER E YELIDS. SKIN CONTACT: WASH IMMEDIATELY WITH PLENTY OF WATER. GENTLY AN THOROUGHLY WASH THE CONTAMINATED SKIN WI

TH RUNNING

WATER AND NON-ABRASICE SOAP. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. IN HALATION: ALLOW VICTIM TO REST IN A WELL VENTILATED AREA. SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS SPONTANEOUSLY, LOWER HEAD TO AVOID ASPIRATION INTO THE LUNGS

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

Flash Point Method:CC

Flash Point:=-13.7C, 7.3F

Autoignition Temp:=398.9C, 7

50.F

Lower Limits:2% IPA

Upper Limits:12% IPA

Extinguishing Media:SMALL FIRE: OBTAIN ADVICE ON USE OF WATER. USE DRY CHEMICALS, SODA ASH OR LIME. LARGE FIRE: USE WATER SPRAY OR FOG. DO NOT USE WATER JET.

Fire Fighting Procedures:FLAMMABLE LIQUID, INSOLUBLE IN WATER. MOISTURE REACTIVE MATERIALS.

Unusual Fire/Explosion Hazard:VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK (TOLUENE). .

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

Spill Release Procedures:SMALL SPILL: ABSORB WITH AN INERT MATERIAL AND PUT IN AN APPROPRIATE WASTE DISPOSAL. LARGE SPILL: FLAMMABLE LIQUID, INSOLUBLE IN WATER. KEEP AWAY FROM SOURCES OF IGNITION. STOP LEAK IF WITHOUT RISK. A BSORB WITH DRY EARTH, SAND. DO NOT GET WATER INSIDE CONTAINER. DO NOT TOUCH SPILL. PREVENT ENTRY INTO SEWERS, BASEMENTS, OR CONFINED AREAS; DIKE IF NEEDED. CHECK THAT PRODUCT IS NOT ABOVE TLV.

Neutralizing Agent:NOT RELEVANT

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Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP IN A COOL, WELL-VENTILATED PLACE. HIGHLY TOXIC OR INFECTIOUS MATERIALS SHOULD BE STORED IN A SEPARATE LOCKED STORAGE CABINET OR ROOM. KEEP AWAY FROM INCOMPATIBLES SUCH AS OXIDIZING AGENTS, REDUCING AGENTS, ORGANIC MATERIALS, ACIDS, ALKALIS, MOISTURE.

Other Precautions:KEEP LOCKED UP. DO NOT INGEST. DO NOT BREATHE GAS, FUMES, VAPOR OR SPRAY. IN CASE OF INSUFFICI

ENT VENTILATION, WEAR

SUITABLE RESPIRATORY EQUIPMENT. IF INGESTED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THE CONTAINER OR THE LABEL. AVOID CONTACT WITH SKIN AND EYES.

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

Respiratory Protection:VAPOR AND DUST RESPIRAOR. BE SURE TO USE A MSHA/NIOSH APPROVED REPIRATOR OR EQUIVALENT. IN CASE OF A LARGE SPILL, A SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED TO AVOID INHALATION OF THE PRODUCT .

Ventilati

on:PROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS  
TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR  
RESPECTIVE THRESHOLD LIMIT VALUE.

Protective Gloves:GLOVES.

Eye Protection:SPLASH GOGGLES.

Other Protective Equipment:LAB COAT. IN CASE OF A LARGE SPILL, FULL  
SUIT, BOOTS. SUGGESTED PROTECTIVE CLOTHING MIGHT NOT BE SUFFICIENT;  
CONSULT A SPECIALIST BEFORE HANDLING THIS PRODUCT.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

NONE

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=77.C, 170.6F

B.P. Text:ETHYL ACETATE

Melt/Freeze Pt:=-83.6C, -118.3F

M.P/F.P Text:ETHYL ACETATE

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:73 MM OF HG @20C

Vapor Density:3.3

Spec Gravity:0.8

pH:NOT RELEVANT

Viscosity:NOT AVAILABLE

Evaporation Rate & Reference:4.3 (BUTYL ACETATE=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR LIQUID,ODOR- HYDROCARBON, TASTE-NOT  
AVAILA  
BLE.

Percent Volatiles by Volume:100

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

HIGHLY REACTIVE WITH OXIDIZING AGENTS, ORGANIC MATERIALS. REACTIVE WITH  
REDUCING AGENTS, ACIDS, ALKALIS, MOISTURE. SLIGHTLY REACTIVE TO  
REACTIVE WITH METALS.

Stability Condition to Avoid:NO ADDITIONAL REMARK.

Hazardous Decomposition Products:CARBON OXIDES (CO, CO2)

===== Toxicological Information

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Toxicological Information:ACUTE ORAL TOXICITY (LD50): 3600 MG/KG  
(MOUSE). (ISOPROPYL ALCOHOL). ACUTE TOXICITY OF VAPOR (LC50): 16970  
PPM 4 HOURS (RAT). (ISOPROPYL ALCOHOL).

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

Ecological:THE PRODUCTS OF DEGRADATION ARE LESS TOXIC THAN THE PRODUCT  
ITSELF.

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

Waste Disposal Methods:RECYCLE, IF POSSIBLE. CONSULT YOUR LOCAL OR  
REG  
IONAL AUTHORITIES. CALL FOR ASSISTANCE ON DISPOSAL.

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

Transport Information:DOT CLASSIFICATION: DOT CLASS 3: FLAMMABLE  
LIQUID. SHIPPING NAME: PAINT RELATED MATERIALS, UN1263, PG: II.

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

SARA Title III Information:SARA 302/304/311/312 EXTREMELY HAZARDOUS  
SUBSTANCE: NO PRODUCTS WERE FOUND. SARA 313 TOXIC CHEMICAL  
NOTIFICATION AND RELEASE REPORTING: TO  
LUENE, METHYL ETHYL KETONE;  
CERCLA HAZARDOUS SUBSTANCES: TOLUE NE, METHYL ETHYL KETONE, ETHYL  
ACETATE.

Federal Regulatory Information:ALL COMPONENTS OF THIS PRODUCT ARE  
LISTED ON THE TSCA INVENTORY.

State Regulatory Information:NOT PROVIDED

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

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
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assume responsibility for the suitability of this information to their  
particular situation.