

GACO WESTERN, INC. -- N-450-9 SOLVENT -- 6850-01-292-5188

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

Product ID:N-450-9 SOLVENT

MSDS Date:12/01/1997

FSC:6850

NIIN:01-292-5188

MSDS Number: CJLPZ

=== Responsible Party ===

Company Name:GACO WESTERN, INC.

Address:18700 S. CENTER PARKWAY

City:TUKWILA

State:WA

ZIP:98188

Country:US

Info Phone Num:206-575-0450

Emergency Phone Num:206-575-0450

CAGE:TO252

=== Contr

actor Identification ===

Company Name:GACO WESTERN INC

Address:18700 S CENTER PKY

Box:88698

City:SEATTLE

State:WA

ZIP:98188-4636

Country:US

Phone:206-575-0450

Contract Num:SP0450-99-M-ND62

CAGE:09463

Company Name:GACO WESTERN, INC.

Address:18700 S. CENTER PARKWAY

Box:City:TUKWILA

State:WA

ZIP:98188

Country:US

Phone:206-575-0450

CAGE:TO252

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

Ingred Name:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

= Wt:62.

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:38.  
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

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

LD50 LC50 Mixture:ORAL LD50 (RAT)=636 MG/KG TOLUENE  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health

Hazards Acute and Chronic:EYES: CONTACT CAUSES SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN: CONTACT CAN CAUSE SEVERE IRRITATION, POSSIBLE BURNS, DEFATTING, DERMATITIS. INHALATION: HIGH CONCENTRATIONS CAN PRODUCE CENTRAL NERVOUS SYSTEM DEPRESSION. AVAILABLE DATA SHOWS THAT NONE OF THE INGREDIENTS ARE CARCINOGENIC, TERATOGENIC, OR MUTAGENIC BUT SOLVENT CONTAINED COULD BE HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL. MAY CAUSE SKIN OR EYE IRRITATION.

Explanation of Carcinogenicity:AVAILABLE DATA SHOWS THAT NONE OF THE INGREDIENTS ARE CARCINOGENIC.  
Effects of Overexposure:EYES: IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN: IRRITATION, BURNS, DEFATTING, DERMATITIS. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION.

Medical Cond Aggravated by Exposure:REPEATED EXPOSURE CAN CAUSE ALLERGIC REACTION WITH DEVELOPMENT OF OCCUPATIONAL ASTHMA. LONG TERM REPEATED EXPOSURE TO LOW VAPOR CONCENTRATIONS MAY CAUSE CHRONICALLY PROGRESSIVE PULMONARY DISEASE.

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

First Aid:EYE CONTACT: FLUSH IMMEDIATELY WITH WATER. GET MEDICAL HELP AS SOON AS POSSIBLE. SKIN CONTACT: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. INGESTION: GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

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

Flash Point Method:TCC  
Fla

sh Point:=-6.7C, 20.F

Lower Limits:1.0 %

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL OR WATER FOG.

Fire Fighting Procedures:COOL CONTAINERS WITH WATER FOG TO PREVENT RUPTURE. BOILOVER MAY OCCUR WHEN TEMPERATURE APPROACHES BOILING POINT OF SOLVENT. DO NOT EXTINGUISH FLAME AT LEAK BECAUSE POSSIBILITY OF EXPLOSIVE REIGNITI ON EXISTS. CUT OFF FUEL AND/OR ALLOW FIRE TO BURN OUT. EXTINGUISH RESIDUAL FIRES WITH CHEMICAL POWDER OR FOAM.

Unusual Fire/Explosion Hazard:SP

ILLS OR VAPOR LEAKS READILY FORM

FLAMMABLE MIXTURES AT OR ABOVE THE FLASH POINT. IT IS UNLIKELY THAT THIS PRODUCT WILL EXPLODE DUE TO MECHANICAL IMPACT BUT FIRE OR EXPLOSION MAY OCCUR FROM STATIC AC CUMULATION AND DISCHARGE.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. IN ENCLOSED AREAS, CLEANUP PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. COVER SPILLS WITH SAWDUST,VERMICULITE, OR O THER ABSORBENT MATERIAL. COLLECT MATERIA L FOR DISPOSAL WITH NON-SPARKING TOOLS.

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED AND STORE IN A COOL DRY PLACE WITH ADEQUATE EXPLOSION PROOF VENTILATION. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. GROUND EQUIPMENT TO PREVENT ACCUMULATION OF STATIC CHARGE.

Other Precautions:KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:USE ORGANIC VAPOR CANNISTERS FOR LOW CONCENTRATIONS. USE SELF-CONTAINED BREATHING APPARATUS IN ENCLOSED AREAS INVOLVING HIGHER VAPOR CONCENTRATIONS.

Ventilation:(LOCAL EXHAUST/MECHANICAL: EXPLOSION PROOF MECHANICAL EQUIPMENT CAPABLE OF KEEPING VAPOR CONCENTRATIONS BELOW THE TLV.

Protective Gloves:CHEMICAL RESISTANT PLASTIC OR RUBBER GLOVES

Eye Protection:SAFETY GOGGLES OR FACE SHIELD

Other Protective Equipment:EYE BATH AND SAFETY SHOWER

SHOULD BE  
AVAILABLE.

Work Hygienic Practices:NONE PROVIDED BY MFR.

Supplemental Safety and Health  
NONE PROVIDED BY MFR.

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

HCC:F2

Boiling Pt:B.P. Text:172 TO 233 DEG F

Vapor Pres:TOLUENE: 22; MEK: 70.

Vapor Density:>1 (AIR=1)

Spec Gravity:0.84 (7 LBS/GAL)

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:NONE PROVIDED BY MFR.

Percent Volatiles by Volume:100%

===== Stability and Reactivity

Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING MATERIALS LIKE LIQUID CHLORINE AND CONCENTRATED  
OXYGEN.

Stability Condition to Avoid:HEAT SPARKS AND OPEN FLAME.

Hazardous Decomposition Products:INCOMPLETE COMBUSTION MAY PRODUCE  
CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:AVAILABLE DAT SHOWS THAT NONE OF THE

INGREDIENTS ARE CARCINOGENIC, TERATOGENIC OR MUTAGENIC BUT SOLVENT  
CONTAINED COULD BE HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL.  
MAY CAUSE SKIN OR EYE IRRITATION.

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

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

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

Transport Information:MANUFACTURERS SHIPMENTS ARE MARKED "PAINT RELATED  
MATERIALS, UN 12

63". INFORMATION ON CTFD STATES SHIPPING NAME IS

"FLAMMABLE LIQUIDS, N.O.S.". THE PSN PRESENTLY ASSIGNED TO THIS ITEM IS "PAINT, INCLUDING PAINT, LACQUER, ENAMEL, STAIN, SHELLAC SOLUTIONS, VARNISH, POLISH, LIQUID FILLER, AND LIQUID LACQUER BASE". SINCE THE MATERIAL IS NOT A PAINT AS DESCRIBED ABOVE, AND THE MANUFACTURER SHIPS AS A " PAINT RELATED MATERIAL", THE PSN USED BY THE MANUFACTURER WILL BE ASSIGNED TO THIS ITEM.

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

SARA Title III Information:CONTAINS METHYL ETHYL KEYTONE, CAS#78-93-3 AND TOLUENE,CAS # 108-88-3 BOTH CHEMICALS ARE SUBJECT TO SARA TITLE III, SECTION 313 REPORTING.I

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.