

GACO WESTERN INC -- N-450-9 -- 6850-01-292-5188

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

Product ID:N-450-9

MSDS Date:12/01/1997

FSC:6850

NIIN:01-292-5188

MSDS Number: CGFPX

=== Responsible Party ===

Company Name:GACO WESTERN INC

Address:18700 S CENTER PKY

Box:88698

City:SEATTLE

State:WA

ZIP:98188-4636

Country:US

Info Phone Num:206-575-0450

Emergency Phone Num:206-575-0450 800-424-9300(CHEMTREC)

CAGE:09

463

=== Contractor 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

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

Ingred Name:TOLUENE (SARA 313) (CERCLA)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 62%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:200 PPM; Z-2

ACGIH TLV:S, 50 PPM; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingrd Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 32%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM  
ACGIH TLV:200 PPM/300STEL;9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 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:MAY CAUSE SEVERE  
IRRITATION.SKIN:MAY CAUSE IRRITATION AND DEFATTING.INGEST:MAY CAUSE  
GI TRACT IRRITATION.INHAL: MAY CAUSE RESPIRATORY IRRITATION AND CNS  
DEPRESSION.CHRONIC:MAY CAUSE ALLERGIC SENS ITIZATION(OCCUPATIONAL  
ASTHMA) AND HEARTDISEASE.  
Explanation of Carcinogenicity:TOLUENE MAY BE HARMFUL TO THE FETUS  
BASED ON LABORATORY STUDIES.  
Effects of Overexposure:EYES:REDNESS,TEARING,BLURRED VISION.  
Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN, C  
ENTRAL  
NERVOUS SYSTEM AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY  
EXPOSURE TO THIS PRODUCT.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND  
WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.CONTACT PHYSICIAN.  
INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF  
NEEDED. INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIEDMEDICAL  
ATTENTION.

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

Flash Point Method:TCC  
Flash Point:20.0F,-6.7C  
Lower Limits:1.0  
Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER FOG.  
Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR. CAN TRAVEL ALONG  
GROUND AND FLAHSBACK. COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PR

## ODUCTS AND VAPORS.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON- COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.USE EXPLO SION-PROOF EQUIPMENT.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN COOL , DRY, WELL VENTILATED

PLACE, AWAY FROM HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:AVOID BREATHING VAPORS, AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. EMPTY CONTAINERS RETAIN RESIDUE, TREAT THEM AS IF THEY WERE FULL.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES

USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/ MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON THE AIRBORN CONCENTR ATION.

Ventilation:MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV. USE EXPLOSION-PROOF EQUIPMENT.

Protective Gloves:CHEMICALLY RESISTANT PLASTIC OR RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:WORK CLOTHING TO PREVENT REPEATED OR PROLONGED SKIN CONTACT. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING. DISCARD CONTAMINATED LEATHER GOODS.

Supplemental Safety and Health

NOTE: VAPOR PRESSURE FOR TOLUENE IS 22 MM HG @ 20C/68F; FOR METHYL ETHYL KETONE IS 70 MM HG. MSDS PROVIDED BY CAGE 09463 FOR CONTRACT NUMBER SP0450-98-MD-887.

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

HCC:F2

Boiling Pt.=78.C, 172.4F

Vapor Pres:SUPPLEMENT

Vapor Density:>1

Spec Gravity:0.841

Ev

aporation Rate & Reference: