

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

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===== 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

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===== 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

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===== 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.

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===== 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.

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===== Fire Fighting Me
asures =====

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 EXPLOSION-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 CONCENTRATION.

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: