

**I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

DATE: 2/17/09  
 TRADE NAME; CHEMSAFE CLEAR (CARB Compliant)  
 GENERAL OR GENERIC ID: HYDROCARBON MIXTURE  
 MANUFACTURED FOR: ARAMSCO  
 1480 GRANDVIEW AVE.  
 THOROFARE, NJ 08086  
 (800) 767-6933

24 HOURS TRANSPORTATION EMERGENCY NUMBER: CHEM-TREC (800) 424-9300

HMIS RATING: HEALTH (1) FIRE (1) REACTIVITY (0)  
 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT \* = CHRONIC HAZARD

**II COMPOSITION INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS#	ACGIH TLV	OSHA PEL	% OPTIONAL
HYDROCARBON MIXTURE	64742 - 47 - 8	NE	200MG/M3	
RECOMMENDED TLV IS 525MG/M3 FOR THIS PRODUCT WHICH IS EXPOSURE LIMITS FOR PETROLEUM DISTILLATE - STODDARD SOLVENT.				
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	NE	NE	

OTHER INGREDIENTS WITHIN THIS PRODUCT ARE NON-HAZARDOUS ACCORDING TO OSHA 29 CFR 1900.1200  
 NE = NON ESTABLISHED AT THIS TIME

**III PHYSICAL / CHEMICAL CHARACTERISTICS**

BOILING RANGE: > 300F  
 VAPOR PRESSURE (mm hg): Meets CARB Guidelines  
 VAPOR DENSITY, (AIR = 1): > 1  
 SOLUBILITY IN WATER: COMPLETE  
 APPEARANCE AND ODOR: ODORLESS CLEAR LIQUID,  
 SPECIFIC GRAVITY (WATER = 1): .8467  
 MELTING POINT: N/A  
 EVAPORATION RATE (BUTYLACETATE = 1): < 1  
 PERCENT VOLATILE: 93 - 99

**IV FIRE AND EXPLOSION DATA**

FLASH POINT, (METHOD USED): > 200°F FLAMMABLE LIMITS: ND  
 EXTINGUISHING MEDIA: CO<sub>2</sub>; WATER FOG; DRY CHEMICAL; CHEMICAL FOAM  
 FIRE FIGHTING PROCEDURES: WEAR SELF CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE AND TOTAL PROTECTIVE CLOTHING.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, FLAMES AND OTHER IGNITION SOURCES.

**V REACTIVITY DATA**

STABILITY DATA: STABLE  
 INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS / STRONG OXIDIZERS  
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: THERMAL DECOMPOSITION MAY YIELD CO; CO<sub>2</sub>; AND VARIOUS HYDROCARBONS.  
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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**VI HEALTH HAZARD DATA**

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SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION: PROLONGED EXPOSURE MAY RESULT IN IRRITATION OF RESPIRATORY TRACT.  
SKIN: PROLONGED EXPOSURE MAY CAUSE MILD SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, DRYING AND CRACKING.  
EYES: EXPOSURE MAY CAUSE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, AND REDNESS.  
INGESTION: MAY CAUSE DIARRHEA, GASTRIC PAIN, AND VOMITING. MATERIAL CAN ENTER THE LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND/OR DAMAGE.

HEALTH HAZARDS (ACUTE AND CHRONIC): HEADACHE, DIZZINESS, AND NAUSEA.

CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN

EMERGENCY FIRST AID PROCEDURES

INHALATION: MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. PROVIDE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. SEEK MEDICAL ATTENTION.  
INGESTION: DO NOT INDUCE VOMITING. THIS MATERIAL IS AN ASPIRATION HAZARD. IF SPONTANEOUS VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNG. SEEK MEDICAL ATTENTION.  
EYE CONTACT: FLUSH EYES WITH WATER HOLDING EYELIDS APART FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.  
SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

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**VII PRECAUTIONS FOR DISPOSAL, SAFE HANDLING, AND USE**

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SPILLS: SMALL SPILLS: ABSORB w/VERMICULITE OR OTHER ABSORBENT.  
LARGE SPILLS: ELIMINATE ALL IGNITION SOURCES. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, AND STREAMS. PUMP INTO APPROVED CONTAINERS, ABSORB UNRECOVERABLE PRODUCT AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.  
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM ABUSE AND EXTREME TEMPERATURES.  
OTHER PRECAUTIONS: EMPTIED CONTAINERS CONTAIN PRODUCT RESIDUES AND ALL PRECAUTIONS WITHIN THIS MSDS STILL APPLY AND SHOULD BE FOLLOWED.

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**VIII CONTROL MEASURES**

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RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMITS OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS.  
VENTILATION: MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S  
PROTECTIVE GLOVES: NEOPRENE OR RUBBER  
EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS  
WORK/HYGIENIC PRACTICES: EXHIBIT NORMAL SAFE WORKPLACE HABITS.

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**IX TRANSPORTATION**

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DOT SHIPPING NAME: CLEANING COMPOUND, LIQUID, (DOT NON-HAZARDOUS)

PLACARDING: NONE REQUIRED

HAZARD CLASS: DOT NON-HAZARDOUS

IDENTIFICATION NO: NOT REGULATED

PACKING GROUP: NOT REGULATED

RQ (REPORTABLE QUANTITY): NOT REQUIRED

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**X REGULATORY INFORMATION**

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SARA TITLE III: 313: Glycol Ethers Max % 12%

**SPECIAL PRECAUTIONS / OTHER COMMENTS**

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.