

MATERIAL SAFETY DATA SHEET TRADE NAME: CHEMSAFE 100C HP (CARB COMPLIANT)

COMPLETE WITH USDL SAFETY AND HEALTH REGULATIONS, (29 CFR 1910.1200)

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I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DATE: 2/10/09
TRADE NAME: CHEMSAFE 100C HP (C.A.R.B. 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

HMS RATING: HEALTH (1) FIRE (2) REACTIVITY (0) PROTECTION (B)
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 | 200 MG/M3-TWA SKIN | 5 MG/M3-TWA | |
| ETHYLENE GLYCOL MONOBUTYL ETHER | 111 - 76 - 2 | 25PPM | 25PPM | |

OTHER INGREDIENTS WITHIN THIS PRODUCT ARE NOT REPORTABLE ACCORDING TO OSHA 29CFR 1910.1200

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: EMULSIFIES
APPEARANCE AND ODOR: CLEAR LIQUID, WITH MILD ODOR
SPECIFIC GRAVITY (WATER = 1): .812
MELTING POINT: N/A
EVAPORATION RATE (BUTYLACETATE = 1): < 1
PERCENT VOLATILE: C.A.R.B. COMPLIANT

IV FIRE AND EXPLOSION DATA

FLASH POINT, (METHOD USED): 160F FLAMMABLE LIMITS: ND
EXTINGUISHING MEDIA: CO₂; 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; CO₂; AND VARIOUS HYDROCARBONS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

VI HEALTH HAZARD DATA

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.

VII PRECAUTIONS FOR DISPOSAL, SAFE HANDLING, AND USE

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.

VIII CONTROL MEASURES

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.

IX TRANSPORTATION

This product is **NOT REGULATED** if packaged under 119 gallons per container by D.O.T.

DOT SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S., (CONTAINS HYDROCARBON MIXTURE)

PLACARDING: PLACARDING EXEMPTION 173 . 150 (F)

HAZARD CLASS: 3

IDENTIFICATION NO: NA1993

PACKING GROUP: III

RQ (REPORTABLE QUANTITY): N/A

X REGULATORY INFORMATION

SARA TITLE III: 313: Glycol Ethers Max % 5%
(RIGHT-TO-KNOW INVENTORY)

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.

