

MATERIAL SAFETY DATA SHEET: PREMALUBE RED AERO (HV)

Section I - General Information

(000000-000000- - 3159)

Date of Issue:
12/7/2006 12:00:00 AM
Chemical Name & Synonyms:
N/A
Chemical Family:
PETROLEUM MIXTURE
Manufacturer Name:
CERTIFIED LABS. DIV. OF NCH CORP.
Manufacturer Address:
BOX 152170
IRVING, TEXAS 75015
Prepared By:
D. Hollas/Chemist

JAN 29 2007

Product Code Number:
5218

Supersedes:
1-19-2001 12:00:00 AM
Trade Name & Synonyms:
PREMALUBE RED AERO (HV)
Formula is a mixture: [X]

Emergency Phone Number:
800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

<u>Chemical Name (Ingredients)</u>	<u>Hazard</u>	<u>TLV</u>	<u>PEL</u>	<u>STEL</u>	<u>CAS #</u>
HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATE	IRRITANT	5 MG/M3 51	5 MG/M3 52	10 MG/M3 51	\$\$
N-HEXANE	FLAM/IRR	50 PPM 1	500 PPM 2	N/E	110-54-3
N-HEPTANE	FLAM/IRR	400 PPM 1	500 PPM 2	500 PPM 1	142-82-5
CYCLOHEXANE	FLAM/IRR	100 PPM 1	300 PPM 2	N/E	110-82-7
PROPANE	FLAM/ASPHY	1000 PPM*1	1000 PPM 2	N/E	74-98-6
N-BUTANE	FLAM/ASPHY	1000 PPM*1	N/E 2	N/E	106-97-8
ALUMINUM BENZOATE FATTY ACID COMPLEX	IRRITANT	N/E 1	N/E 2	N/E	82980-54-9
ANTIMONY DIALKYLDIETHIOCARBAMATE	IRRITANT	0.5MG/M3#1	0.5MG/M3#2	N/E	15890-25-2
\$ OIL MIST VALUES					
\$\$ 64742-52-5, 64742-53-6					
* ALIPHATIC HYDROCARBON GASES					
# ANTIMONY COMPOUNDS					

Section III - Physical Data

Boiling Point (°F): 154°	Specific Gravity (H₂O=1): 0.73
Vapor Pressure (mm Hg): 2169	Color: RED
Vapor Density (Air=1): 1.7	Odor: PETROLEUM
pH @ 100% : N/A	Clarity: OPAQUE
% Volatile by Volume: 68	Evaporation Rate (BuAc=1): 41
H₂O Solubility: NEGILIGIBLE	Viscosity: VISCOUS

Section IV - Fire and Explosion Hazard

Flash Point: 73°F **Method Used:** SETAFLASH
Flammable Limits: PRODUCT MIXTURE **UEL:** 50
LEL: 0.7 **Aerosol Level (NFPA 30B):** 3

Extinguishing Media:

<input checked="" type="checkbox"/> Foam	<input type="checkbox"/> Alcohol Foam	<input checked="" type="checkbox"/> CO2
<input checked="" type="checkbox"/> Dry Chemical	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Other

NFPA 704 Hazard Rating:

4-Extreme	Health: 1
3-High	Flammability: 4
2-Moderate	Instability: 0
1-Slight	Special:
0-Insignificant	

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards:

FLAME EXTENSION IS >30 INCHES. BORNBACK IS 3 INCHES. THIS PRODUCT IS EXTREMELY FLAMMABLE. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT AND/OR LOW-LYING SOURCES OF IGNITION AND FLASHBACK. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS LIQUID FLOATS ON WATER. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

Section V - Health and Hazard Data

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

Acute: (Short Term Exposure)

EYE CONTACT: CAUSES IRRITATION SEEN AS STINGING, TEARING, AND REDNESS. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING, REDNESS, AND A BURNING SENSATION. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFACTING, AND CRACKING OF THE SKIN. PRODUCT MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. INHALATION: VAPOR OR MIST MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING, SNEEZING, A BURNING SENSATION OF THE NOSE AND THROAT, AND DIFFICULTY BREATHING. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONSCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SIMILAR TO INHALATION.

Chronic: (Long Term Exposure)

ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO HYDROCARBON OR OIL MIST POSES A RISK OF CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION AND HEART RATES AS WELL AS A BLuish DISCOLORATION OF THE SKIN. CHRONIC INHALATION OF SOLVENTS LIKE HEXANE HAVE CAUSED HEARTBEAT IRREGULARITY, HEARTBEAT INCREASE, AND PERMANENT CENTRAL AND PERIPHERAL NERVOUS SYSTEM DAMAGE, RESULTING IN DECREASED LEARNING ABILITY, LOSS OF MEMORY, PERSONALITY CHANGES, AND DISTURBANCES IN GAIT. A CONDITION KNOWN AS "PAINTER'S SYNDROME" CAN OCCUR CAUSING A LOSS OF SENSATION IN THE ARMS AND HANDS (PERIPHERAL NEUROPATHY). PROLONGED OR REPEATED EXPOSURE MAY CAUSE CARDIAC SENSITIZATION. CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE. IN RARE CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS; PRE-EXISTING REPRODUCTIVE, NEUROLOGICAL, AND CARDIOVASCULAR DISORDERS. TARGET ORGANS: HEART, LIVER, LUNGS, BLOOD-FORMING ORGANS, AND MALE REPRODUCTIVE SYSTEM.

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Primary Routes of Entry
[✓] Inhalation [✓] Ingestion [✓] Absorption

Emergency First Aid Procedures:

Inhalation: REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.
Eye Contact: RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES.
Skin Contact: WIPE AWAY MATERIAL WITH A CLOTH. WASH WITH SOAP AND WATER.
Ingestion: GIVE 3 TO 4 GLASSES OF WATER.
Notes to Physician: THERE IS NO SPECIFIC ANTIDOTE.

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:
[] IARC [] NTP [] OSHA [] ACGIH [] Other

VOC CONTENT: 57.5% BY WEIGHT; 66.9% BY VOLUME; 420 G/L.
HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATE (<3% DMSO EXTRACTABLE MATERIAL)
ORL-RAT LD50: >5 GM/KG 4.
SKN-RBT LD50: >2 GM/KG 4.
SKN-RBT SDT: 500 MG SEVERE 4.
MINERAL OIL AND HYDROCARBON MISTS DERIVED FROM HIGHLY REFINED OILS AND PETROLEUM DISTILLATES ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS.
N-HEXANE
ORL-RAT LD50: 25 GM/KG 4.
IHL-HMN TCL0: 190 PPM/8W 4.
EYE-RBT-SDT: 10 MG MILD 4.
THIS MATERIAL MAY ADVERSELY AFFECT THE MALE REPRODUCTIVE SYSTEM (DECREASED SPERM COUNTS AND DEGENERATIVE CHANGES IN THE TESTES) BASED ON TESTING IN LABORATORY ANIMALS.
KIDNEY EFFECTS IN MALE RATS WERE OBSERVED IN LABORATORY ANIMALS EXPOSED TO A SIMILAR MATERIAL.
N-HEPTANE
IHL-RAT LC50: 103 G/M3/4H 4.
ORL-RAT TDLO: 60 G/KG/3W-1 4.
CYCLOHEXANE
ORL-RAT LD50: 12705 MG/KG 4.
SKN-RBT LD: >180 GM/KG 4.
SKN-RBT-SDT: 1548 MG/2D (INTERMITTENT) 4.
IHL-RAT TCL0: 300 PPM/6H/2W-I 4.
PROPANE
IHL-LC50: >40% BY VOLUME 3.
N-BUTANE
IHL-RAT LC50: 658 G/M3/4H 4.
ALUMINUM BENZOATE FATTY ACID COMPLEX
NO TOXICITY DATA AVAILABLE
ANTIMONY DIALKYL DITHIOCARBAMATE
ORL-RAT LD50: 16400 MG/KG 4.
SKN-RBT LD50: 16000 MG/KG 4.

Section VII - Reactivity Data

Stability: [✓] Stable [] Unstable
Hazardous Polymerization: [✓] Will not occur [] May occur
Conditions to Avoid: AVOID HEAT, HOT SURFACES, SPARKS, AND OPEN FLAMES.
N/A

Incompatibility (Materials to Avoid): STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH, CONCENTRATED HYDROGEN PEROXIDE, CHROMIC ACID, AND BROMINE; ACIDS AND ALKALIS.

Hazardous Decomposition Products: OXIDES OF ALUMINUM, ANTIMONY, CARBON, NITROGEN, AND SULFUR; ALDEHYDES; AMINES; CARBON DISULFIDE; HYDROGEN SULFIDE GAS; KETONES; SMOKE AND FUMES; VARIOUS OTHER HYDROCARBONS.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled: DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, WEAR APPROPRIATE PROTECTIVE CLOTHING, ELIMINATE IGNITION SOURCES OF ELECTRICAL, STATIC, OR FRICTIONAL SPARKS, VENTILATE THE AREA, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL.

Waste Disposal Method(s):

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DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. TYPICAL DISPOSAL IS TO WRAP THE EMPTY AEROSOL CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN THE TRASH. AEROSOL RECYCLING PROGRAMS ARE AVAILABLE IN MANY AREAS. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER.

Neutralizing Agent:
N/A

Section IX - Special Protection Information

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF MISTS OR VAPOURS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT THE SOURCE.

Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL, FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z89.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL, BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z89.2-1992.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE. REMOVE OIL SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

Section X - Storage and Handling Information

Storage Temperature

Max: 120°F Min: 35°F

Storage Conditions

Indoors Outdoors Heated Refrigerated

Precautions to be Taken in Handling and Storing:

USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

Section XI - Regulatory Information

Chemical Name	CAS Number	Upper % Limit
HEXANE	110-54-3	10
ANTIMONY COMPOUNDS	N/A	5
CYCLOHEXANE	110-82-7	10

Those ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2006.
2. OSHA PEL.
3. VENDOR'S MSDS.
4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINPOweb, 2006.

ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING.

IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, TOX: TOXIC, IHI: INHALATION, COMB: COMBUSTIBLE, CORR: CORROSIVE, CARC: CARCINOGENIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED, COC: CLEVELAND OPEN CUP, PMCC: PENSKEY-MARTIN CLOSED CUP, TCC: TAGLIABUE CLOSED CUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT, HMN: HUMAN, IARC: INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, ORL: ORAL, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, AASH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV: THRESHOLD LIMIT VALUE, PEL: PERMISSIBLE EXPOSURE LIMIT, STEL: SHORT-TERM EXPOSURE LIMIT, MLD: MILD, MOD: MODERATE, SEV: SEVERE, MUT: MUTAGENIC, ASPHYX: ASPHYXIANT, PNO: PARTICULATES NOT OTHERWISE CLASSIFIED, PNOR: PARTICULATES NOT OTHERWISE REGULATED, PINS: PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD DRAIZE TEST
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