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DATE OF ISSUE
5/18/2005,

SUPERSEDES
3/06/2002

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms

Trade Name & Synonyms
MAXI-LUBE ULTRA #2 (CART-48)

Chemical Family:
CALCIUM SULFONATE/HYDROCARBON BLEND

Formula Mixture --> X

Manufacturer's Name:
CHEMSEARCH DIV. OF NCH CORP.

Address:
BOX 152170
IRVING, TX 75015

Prepared By:
M McDowell/Chemist

Product Code Number
412J

Emergency Phone Number
800-424-9300

SECTION II - HAZARDOUS INGREDIENTS
THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
HEXYLENE GLYCOL	IRRITANT	N/E 1	N/E 2	25 PPM \$1	107-41-5
CALCIUM PHOSPHATE	IRRITANT	N/E 1	N/E 2	N/E	7757-93-9
CALCIUM ACETATE CARBONATE HYDROGENATED CASTROL FATTY ACID	IRRITANT	N/E 1	N/E 2	N/E	68307-88-0
CALCIUM STEARATE SOAP	IRRITANT	N/E 1	N/E 2	N/E	68608-31-1
HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES	IRRITANT	5 MG/M3 #1	5 MG/M3 #2	10 MG/MG#1	64741-88-4
POLY ALPHA OLEFIN	IRRITANT	5 MG/M3 #1	5 MG/M3 #2	10 MG/M3#1	68649-12-7
MOLYBDENUM DISULFIDE	IRRITANT	3 MG/M3 *1	15 MG/M3*2	N/E	1317-33-5
\$ CEILING LIMIT					
# OIL MIST VALUES					
* MOLYBDENUM INSOLUBLE COMPOUNDS					

SECTION III - PHYSICAL DATA

Boiling Point (F):	605°	Specific Gravity (H2O=1):	1.01
Vapor Pressure (MM HG):	<0.01	Color:	BLACK
Density (Air=1):	>5	Odor:	OILY
PH @ 100% :	N/A	Clarity:	OPAQUE
% Volatile by Volume:	0.1	Evaporation Rate (BU A/C=1):	<1
H2O Solubility:	NEGLIGIBLE	Viscosity:	SEMI-SOLID

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point 490°F / C.O.C.	Flammable Limits PETROLEUM OIL	LEL N/E	UEL N/E
Extinguishing Media X <--Foam X <--Alcohol Foam X <--CO2 X <--Dry Chemical X <--Water Spray <--Other			
Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.			
Unusual Fire and Explosion Hazards: 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.			
Aerosol Level (NFPA 30B): N/A			
NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme) 2 <--Health 1 <--Flammability 0 <--Instability <--Special			

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:
5 MG/M3 AS OIL MIST 1.

Effects of Overexposure:

-Acute (Short Term Exposure)

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, SWELLING, REDNESS, AND EXCESSIVE BLINKING. CAUSES CORNEAL DAMAGE.
 SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING, REDNESS, AND SWELLING. MAY CAUSE ALLERGIC SKIN REACTION SEEN AS DELAYED SKIN RASH WHICH MAY BE ACCOMPANIED BY BLISTERING, SCALING, AND OTHER SKIN EFFECTS. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DISCOMFORT, AND CRACKING OF THE SKIN.
 INHALATION: MIST MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING, SNEEZING, CHEST PAIN, AND NASAL DISCHARGE.
 INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. MAY CAUSE IRRITATION TO THE MOUTH, THROAT, AND ESOPHAGUS WITH DIZZINESS, DROWSINESS, AND A LOSS OF CONSCIOUSNESS.

-Chronic (Long Term Exposure)

MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS. ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSSES A RISK OF CHRONIC LUNG

SECTION V - HEALTH HAZARD DATA (Continued)

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 SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE. IN RARER CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR.
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.
 T T ORGANS: BLOOD-FORMING ORGANS AND CENTRAL NERVOUS SYSTEM. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

Primary Routes of Entry: <--Inhalation <--Ingestion X <--Absorption

Emergency and 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:
IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.
- Skin Contact:
WIPE AWAY MATERIAL WITH A CLOTH WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. CLEAN CLOTHING AND SHOES.
- Ingestion:
GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.
- Notes to Physician:
THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:
 IARC--> No NTP--> No OSHA--> No ACGIH--> No OTHER--> No

VOC CONTENT: 0% BY WEIGHT, 0% BY VOLUME, 0 G/L

HEXYLENE GLYCOL
 ORL-RAT LD50: 3700 MG/KG 4.
 ORL-RAT LD10: 33600 MG/KG/28D-I CHANGES IN LIVER, BLADDER, KIDNEY 4.
 IHL-RAT LC50: NO DEATHS: 66 PPM/8H 3.
 SKN-RBT LD50: 8560 UL/KG 4.
 SKN-RBT SDT: 465 MG/24H 4.
 EYE-RBT SDT: 93 MG/24H SEVERE 4.

IN A REPEATED PATCH TEST STUDY OF ECZEMA PATIENTS, HEXYLENE GLYCOL ELICITED EDEMA AND ERYTHEMA IN 2.8% OF THE SUBJECTS TESTED (CONTACT DERMATITIS 21:154, 1989) 3.

HEXYLENE GLYCOL HAS PRODUCED EVIDENCE OF SLIGHT FETAL TOXICITY AT A MATERNALLY TOXIC DOSE (1000 MG/KG/DAY) 3.

C M PHOSPHATE (SIMILAR COMPOUND)
 AT LD50: 3986 MG/KG 3.
 SKN-RBT LD50: >2 G/KG 3.

CALCIUM ACETATE CARBONATE HYDROGENATED CASTROL FATTY ACID
 NO TOXICOLOGICAL DATA AVAILABLE

CALCIUM STEARATE SOAP
 NO TOXICITY DATA AVAILABLE

HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES
 ORL-RAT LD50: > 2 G/KG 4.
 SKN-RBT LD50: > 2 G/KG 4.
 IHL-RAT LC50: > 5 MG/L 4.
 EYE-RBT DRAIZE SCORE BETWEEN 6 AND 15, PRACTICALLY NON-IRRITATING 4.
 SKN-RBT DRAIZE SCORE BETWEEN .5 AND 3, PRACTICALLY NON-IRRITATING 4.

MINERAL OIL MISTS DERIVED FROM HIGHLY REFINED OILS ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM SINGLE AND SHORT-TERM REPEATED EXPOSURES TO HIGH CONCENTRATIONS WELL ABOVE APPLICABLE WORKPLACE EXPOSURE LEVELS INCLUDE LUNG INFLAMMATORY REACTION, LIPOID GRANULOMA FORMATION, AND LIPOID PNEUMONIA. IN ACUTE AND SUB-ACUTE STUDIES INVOLVING EXPOSURES TO LOWER CONCENTRATIONS AT OR NEAR CURRENT WORK PLACE EXPOSURE LEVELS PRODUCED NO SIGNIFICANT TOXICOLOGICAL EFFECTS. IN LONG TERM STUDIES (UP TO TWO YEARS) NO CARCINOGENIC EFFECTS HAVE BEEN REPORTED IN ANY ANIMAL SPECIES TESTED. THESE PETROLEUM DISTILLATES ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED, AND/OR PROCESSED BY MILD HYDROTREATMENT AND EXTRACTION. FOR THIS REASON, THEY ARE NOT CLASSIFIED AS CANCER HAZARDS. 4.

POLY ALPHA OLEFIN
 EYE-RBT SDT: 0.7/24 HOURS 4.
 SKN-RBT PRIMARY IRRITATION INDEX: 0.2/4 HOURS 4.

MOLYBDENUM DISULFIDE
 ORL-RAT LD50: >2 GM/KG 3.
 IHL-RAT LC50: >2820 MG/M3/4H 3.
 SKN-RAT LD50: >2 GM/KG 3.

SECTION VII - REACTIVITY DATA

Stability: X <--Stable <--Unstable
 Conditions to Avoid:
 NONE KNOWN.

Incompatibility (Materials to Avoid):
 STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ACIDS, FORMS AN EXPLOSIVE MIXTURE WITH POTASSIUM NITRATE.

Hazardous Decomposition Products:
 OXIDES OF CARBON, NITROGEN, AND SULFUR.

Hazardous Polymerization: <--May Occur X <--Will Not Occur
 Conditions to Avoid:
 N/A

SECTION VII - REACTIVITY DATA (Continued)

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

WEAR APPROPRIATE PROTECTIVE CLOTHING AND USE CARE AS SPILLS MAY BE SLIPPERY. FOR LARGE SPILLS, SCOOP INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. FOR SMALL SPILLS, WIPE WITH A CLOTH AND TRANSFER ALL MATERIALS INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL.

Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:

N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

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

Respiratory Protection:

NONE REQUIRED UNDER NORMAL CONDITIONS OF USE. 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 (Z88.2-1992). 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 Z88.2-1992.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

CHEMICAL GOGGLES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR PROTECTIVE CLOTHING WHEN HANDLING. REMOVE OIL SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X Outdoors--> X Heated--> Refrigerated-->
 Minimum Temperature: 0°F Maximum Temperature: 120°F

Precautions to be Taken in Handling and Storing:

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH INHIBIT THE HAZARDS OF THE PRODUCT. TO AVOID POSSIBLE EXPLOSION DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND, OR EXPOSE EMPTY CONTAINERS TO HOT SURFACES, SPARKS, OR OPEN FLAMES. BULK STORAGE: FOR MAXIMUM PRODUCT LIFE, STORE INDOORS. OUTDOOR STORAGE TIP: STORE CONTAINERS ON THEIR SIDE TO HELP PREVENT WATER ACCUMULATION ON A FLAT END AND CONSEQUENT PRODUCT CONTAMINATION. CARTRIDGE STORAGE: FOR MAXIMUM PRODUCT LIFE, STORE INDOORS OR IN A COOL, DRY AREA. ALWAYS STORE IN AN UPRIGHT POSITION TO PREVENT OILS FROM LEAKING OUT OF THE CARTRIDGE.

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
None		

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, 2005.
 2. OSHA PEL.
 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2005.
 4. VENDOR'S MSDS.
- 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, COMB: COMBUSTIBLE, CORR: CORROSIVE, CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED, COC: CLEVELAND OPEN CUP, PMCC: PENSKY-MARTIN CLOSED CUP, TCC: TAGLIABUE CLOSED CUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT, NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH: 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: ASPHYXIAN, PPOS: PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD DRAIZE TEST, ORL: ORAL, IHL: INHALATION, HMN: HUMAN

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