

## MATERIAL SAFETY DATA SHEET MAXI-LUBE RED

DATE OF ISSUE: 11/07/2001  
 SUPERCEDES: 10/23/2001

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 SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms: N/A  
 Trade Name & Synonyms: MAXI-LUBE RED

Chemical Family: ALUMINUM COMPLEX/PETROLEUM HYDROCARBON BLEND X  
 Formula Mixture:

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

Address:  
 BOX 152170  
 IRVING, TX 75015

Prepared By: C Williamson/Chemist  
 Product Code Number: 4566  
 Emergency Phone Number: 800-424-9300

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 SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS:

Chemical Name (Ingredients): SEVERELY HYDROTREATED HEAVY NAPHTHENIC  
 PETROLEUM DISTILLATE

Hazard: IRRITANT  
 TLV: 5 MG/M3 \$1  
 PEL: 5 MG/M3 \$2  
 STEL: 10MG/M3 \$1  
 CAS#: 64742-52-5

Chemical Name (Ingredients): MINERAL OIL

Hazard: OIL MIST  
 TLV: 5 MG/M3 \$1  
 PEL: 5 MG/M3 \$2  
 STEL: 10MG/M3 \$1  
 CAS#: 8042-47-5

Chemical Name (Ingredients): ANTIMONY DIALKYL DITHIOCARBAMATE

Hazard: IRRITANT  
 TLV: 0.5MG/M3 1  
 PEL: 0.5MG/M3 2  
 STEL: N/E  
 CAS#: 15890-25-2

Chemical Name (Ingredients): PETROLEUM PROCESS OIL

Hazard: IRRITANT  
 TLV: 5 MG/M3 \$1  
 PEL: 5 MG/M3 \$2  
 STEL: 10MG/M3 \$1  
 CAS#: 64742-52-5

Chemical Name (Ingredients): ALUMINUM BENZOATE FATTY ACID COMPLEX  
Hazard: IRRITANT  
TLV: N/E 1  
PEL: N/E 2  
STEL: N/E  
CAS#: 82980-54-9

Chemical Name (Ingredients): \$ OIL MIST VALUES  
Hazard:  
TLV:  
PEL:  
STEL:  
CAS#:

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SECTION III - PHYSICAL DATA

Boiling Point (f): 625°  
Specific Gravity (H2O=1): 0.889  
Vapor Pressure (MM HG): <1  
Color: RED  
Vapor Density (Air=1): <1  
Odor: PETROLEUM  
PH @ 100%: N/A  
Clarity: TRANSLUCENT  
Volatile by Volume: NIL  
Evaporation Rate (BU A/C=1): <1  
H2O Solubility: NEGLIGIBLE  
Viscosity: VISCOUS

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SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: 500°F / C.O.C.  
Flammable Limits: N/A LEL: N/A UEL:N/A

Extinguishing Media:  
Foam: X Alcohol Foam: CO2: X  
Dry Chemical: X Water Spray: X Other:

Special Fire Fighting Procedures:  
FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire and Explosion Hazards:  
USE CARE AS SPILLED MATERIAL IS SLIPPERY. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS IT FLOATS ON WATER. THE USE OF WATER SPRAY (F0G), WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE.

Aerosol Level (NFPA 30B): N/A  
NFPA 704 Hazard Rating:  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
Health: 1 Flammability: 1 Instability: 0 Special:

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SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute(Short Term Exposure)

EYE CONTACT: NOT A HAZARD WITH NORMAL USE. DIRECT CONTACT WITH EYES MAY CAUSE IRRITATION SEEN AS TEARING AND REDNESS. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. INHALATION: NOT A HAZARD WITH NORMAL USE. INHALING EXCESSIVE AMOUNTS OF HEATED VAPORS CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING AND MAY CAUSE HEADACHE, DIZZINESS AND NAUSEA. INGESTION: NOT A HAZARD WITH NORMAL USE. INGESTING LARGE QUANTITIES MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARRHEA.

-Chronic (Long Term Exposure)

NO HUMAN CHRONIC DATA ARE AVAILABLE. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS. TARGET ORGANS: NONE KNOWN. THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

Primary Routes of Entry: Inhalation: Ingestion: 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:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Skin Contact:

WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-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.

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SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential

Carcinogen By:

IARC: No

NTP: No

OSHA: No

ACGIH: No

OTHER: No

SEVERELY HYDROTREATED HEAVY NAPHTHENIC PETROLEUM DISTILLATES

ORL-RAT LD50: > 5000 MG/KG 3.  
SKN-RBT LD50: > 5000 MG/KG 3.  
SKN-RBT SDT: 500 MG SEVERE 3.

MINERAL OIL

ORL-RAT TDL<sub>o</sub>: 92 G/KG/92D-C 3.

ANTIMONY DIALKYL DITHIOCARBAMATE

ORL-RAT LD50: 16400 MG/KG 4.  
SKN-RBT LD50: 16000 MG/KG 4.

PETROLEUM PROCESS OIL

ORL-RAT LD50: >5000 MG/KG 3.  
SKN-RBT LD50: >5000 MG/KG 3.  
SKN-RBT SDT: 500 MG SEVERE 3.

ALUMINUM BENZOATE FATTY ACID COMPLEX  
NO TOXICOLOGICAL DATA AVAILABLE

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SECTION VII - REACTIVITY DATA

Stability:                      Stable: X                      Unstable:

Conditions to Avoid: AVOID MIXING WITH INCOMPATIBLE GREASES.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; REDUCING AGENTS SUCH AS SODIUM THIOSULFATE AND BROMINE; STRONG ACIDS AND ALKALIES.

Hazardous Decomposition Products:

OXIDES OF CARBON, NITROGEN, SULFUR AND ANTIMONY; HYDROGEN SULFIDE, CARBON DISULFIDE AND VARIOUS ORGANIC COMPOUNDS SUCH AS KETONES, ALDEHYDES AND HYDROCARBONS.

Hazardous Polymerization:

May Occur:                      Will Not Occur: X

Conditions to Avoid: N/A

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SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

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. USE CARE AS SPILLS MAY BE SLIPPERY.

Waste Disposal Method(s):

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

Neutralizing Agent:

N/A

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SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:  
GENERAL VENTILATION IS NORMALLY ADEQUATE.

Respiratory Protection:  
NONE REQUIRED UNDER NORMAL CONDITIONS OF USE.

Glove Protection:  
NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

Eye Protection:  
NONE UNDER NORMAL CONDITIONS OF USE. SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection:  
WEAR GENERAL DUTY WORK CLOTHING AND SHOES.

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SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature:    Indoors: X        Outdoors: X        Heated:        Refrigerated:

Minimum Temperature: 25°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. STORE CARTRIDGES IN AN UPRIGHT POSITION TO PREVENT OIL LEAKAGE.

EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH MAY EXHIBIT THE HAZARDS OF THE PRODUCT. DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE EMPTY CONTAINERS TO HEAT, HOT SURFACES, SPARKS OR OPEN FLAME TO AVOID POSSIBLE EXPLOSION. 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.

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

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SECTION XI - REGULATORY INFORMATION

Chemical Name	CAS Number	Upper % Limit	
ANTIMONY COMPOUNDS		15890-25-2	5%

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

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SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2001.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2001.
4. VENDOR'S MSDS.

ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

----- 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,  
PNOS: PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE  
TEST, ORL: ORAL, HMN: HUMAN, IHL:INHALATION

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