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| DATE OF ISSUE 9/16/1999 | SUPERCEDES 2/04/1997 |
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SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms

Trade Name & Synonyms

LUBREASE CLEAR AEROSOL

Chemical Family:

Formula Mixture --> X

AEROSOL PETROLEUM MIXTURE

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

Address:
BOX 152170
IRVING, TX

Prepared By:
C WILLIAMSON/CHEMIST

Product Code Number
5363

Emergency Phone Number
972-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

| Chemical Name (Ingredients) | Percent | Hazard | TLV | PEL | STEL | CAS # |
|---|---------|------------|------------|------------|------|------------|
| ALIPHATIC HYDROCARBON RESIN | | IRRITANT | 10MG/M3S1. | 15MG/M3S2. | N/E | 152698-663 |
| NUISANCE DUST VALUE | | | | | | |
| SEVERELY HYDROTREATED LIGHT NAPHTHENIC DISTILLATE | | IRRITANT | 5MG/M3 11. | 5MG/M3 12. | N/E | 64742-53-6 |
| SEVERELY HYDROTREATED HEAVY NAPHTHENIC DISTILLATE | | IRRITANT | 5MG/M3 11. | 5MG/M3 12. | N/E | 64742-52-5 |
| CALCIUM PETROLEUM SULFONATE | | IRRITANT | 5MG/M3 91. | 5MG/M3 92. | N/E | 61789-86-4 |
| STODDARD SOLVENT | | COMBUST. | 100PPM 1. | 500PPM 2. | N/E | 8052-41-3 |
| LIGHT AROMATIC NAPHTHA | | IRRITANT | 5MG/M3 11. | 5MG/M3 12. | N/E | 64742-95-6 |
| FOIL MIST VALUE | | | | | | |
| TRIMETHYLBENZENE, 1,2,4- (PSEUDOCUMENE) | | FLAM/IRR | 25PPM 1. | 25PPM 2. | N/E | 95-63-6 |
| PROPANE | | FLAM/ASPHX | 1000PPM 1. | 1000PPM 2. | N/E | 74-98-6 |
| ISOBUTANE | | FLAM/ASPHX | N/E | N/E | N/E | 75-28-5 |

SECTION III - PHYSICAL DATA

| | | | |
|-------------------------|------|------------------------------|---------------|
| Boiling Point (f): | 345 | Specific Gravity (H2O=1): | 0.89 |
| Vapor Pressure (MM HG): | 1.95 | Color: | LIGHT AMBER |
| Vapor Density (Air=1): | 2.90 | Odor: | PETROLEUM |
| Flash Point: | N/A | Clarity: | SLIGHTLY HAZY |
| Evaporative by Volume: | 50 | Evaporation Rate (BU A/C=1): | 0.48 |
| H2O Solubility: | NIL | Viscosity: | NON-VISCOUS |

SECTION IV - FIRE AND EXPLOSION HAZARD

| | | | |
|--|------------------|-----|-----|
| Flash Point | Flammable Limits | LEL | UEL |
| 119°F / T.C.C. | STODDARD SOLVENT | 1.4 | 8.9 |
| Extinguishing Media | | | |
| <input type="checkbox"/> Foam <input checked="" type="checkbox"/> Alcohol Foam <input type="checkbox"/> CO2 <input checked="" type="checkbox"/> Dry Chemical <input checked="" type="checkbox"/> Water Spray <input type="checkbox"/> Other | | | |

Special Fire Fighting Procedures:
FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire and Explosion Hazards:
OXIDES OF CARBON, NITROGEN, AND SULFUR WILL BE FORMED DURING COMBUSTION. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS TO PREVENT BURSTING. FLAME EXTENSION IS >18 INCHES, BURNBACK IS 0 INCHES.

Aerosol Level (NFPA 30B):

3

NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
 2 Health 2 Flamability 0 Reactivity < Special

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:
NOT ESTABLISHED FOR MIXTURE, SEE SECTION II

Effects of Overexposure:

-Acute (Short Term Exposure)

INHALATION: INHALATION OF MIST MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT, DIZZINESS, GIDDINESS AND HEADACHE AND UNCONSCIOUSNESS IN EXTREME CASES. PRODUCT VAPORS DISPLACE AIR AND CAN CAUSE ASPHYXIATION, ESPECIALLY IN EXTREMELY CONFINED SPACES. SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. EYE CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. PROLONGED CONTACT MAY LEAD TO BLURRED VISION. INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION SEEN AS NAUSEA, VOMITING AND DIARRHEA. INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

-Chronic (Long Term Exposure)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: CNS, LUNGS, SPLEEN, LIVER AND KIDNEY. NO CHRONIC DATA AVAILABLE

Primary Routes of Entry: Inhalation Ingestion Absorption

Emergency and First Aid Procedures:

SECTION V - HEALTH HAZARD DATA (Continued)

-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 LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

-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:

INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC--> No NTP--> No OSHA--> No ACGIH--> No OTHER--> No

ALIPHATIC HYDROCARBON RESIN

ORL-RAT LD50: >5 G/KG 3.

SEVERELY HYDROTREATED LIGHT NAPHTHENIC DISTILLATE

NO TOXICITY DATA AVAILABLE

SEVERELY HYDROTREATED HEAVY NAPHTHENIC DISTILLATE

NO TOXICITY DATA AVAILABLE

CALCIUM PETROLEUM SULFONATE

ORL-RAT LD50: >20 G/KG 3.

LIGHT AROMATIC NAPHTHA

ORL-RAT LD50: 4.7 G/KG 3.

IHL-RAT LC50: >3670PPM/8H 3.

STODDARD SOLVENT

ORL-RAT LD50: 5 G/KG 3.

TRIMETHYLBENZENE, 1,2,4-(PSEUDOCUMENE)

IHL-CAT LCLO: 10 G/M3/2.5H 3. ORL-RAT LD50: 12.7 G/KG 3.

EYE HMN 470 PPM/15M 3. IHL-RAT LC50: 18 G/M3/4H 3.

PROPANE

NO TOXICITY DATA AVAILABLE

ISOBUTANE

NO TOXICITY DATA AVAILABLE

SECTION VII - REACTIVITY DATA

Stability: X < Stable Unstable

Incompatibility (Materials to Avoid):

OXIDIZING AGENTS SUCH AS BLEACH AND CONCENTRATED OXYGEN, ACIDS AND BASES.

Hazardous Decomposition Products:

OXIDES OF CARBON, SULFUR, CALCIUM AND NITROGEN. ALIPHATIC ALDEHYDES, CARBOXYLIC ACIDS AND UNIDENTIFIED ORGANIC COMPOUNDS.

Hazardous Polymerization:

X < May Occur X < Will Not Occur

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, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING.

Waste Disposal Method(s):

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.

Neutralizing Agent:

N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS OR VAPORS.

Respiratory Protection:

A NIOSH/MCHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV OR OSHA PEL OR WHERE MISTING EXISTS.

Glove Protection:

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

Eye Protection:

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.

SECTION X - STORAGE AND HANDLING INFORMATION

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

Minimum Temperature: 60°F Maximum Temperature: 120°F

Precautions to be Taken in Handling and Storing:

SECTION X - STORAGE AND HANDLING INFORMATION (Continued)

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

| <u>Chemical Name</u> | <u>CAS Number</u> | <u>Upper % Limit</u> |
|--|-------------------|----------------------|
| TRIMETHYLBENZENE, 1,2,4-(PSUEDOCUMENE) | 95-63-6 | 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.

SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1995-1996.
2. OSHA PEL.
3. VENDOR'S MSDS.
COMB: COMBUSTIBLE FLAM, FLAMM: FLAMMABLE; CARC: CARCINOGENIC; TOX: TOXIC N/A;
NOT APPLICABLE; N/E: NOT ESTABLISHED; COC: CLEVELAND CLOSED CUP; TCC: TAGLIABUE
CLOSED CUP; PMCC: PENSKEY-MARTIN CLOSED CUP; IRR: IRRITANT;
MUT: MUTAGENIC; IARC: INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER;
NTP: NATIONAL TOXICOLOGY PROGRAM; CORR: CORROSIVE; IRR: IRRITANT;
ASPHYX: ASPHYXANT; NUIS. PART.: NUISANCE PARTICLE; LEL: LOWER EXPLOSION LIMIT;
UEL: UPPER EXPLOSION LIMIT

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