

SECTION V - HEALTH HAZARD DATA (Continued)

THE DEVELOPMENT OF PROGRESSIVE LIVER INJURY WITH FIBROSIS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO 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. TARGET ORGANS: LIVER, LUNGS, CENTRAL NERVOUS SYSTEM, BLOOD-FORMING ORGANS AND KIDNEYS.

Routes of Entry: X <--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. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

-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. DEPENDING ON THE AMOUNT INGESTED AND RETAINED AS WELL AS THE TOXICITY OF THE PRODUCT, GASTRIC LAVAGE SHOULD BE CONSIDERED. KEEP PATIENT'S HEAD BELOW HIPS TO PREVENT PULMONARY ASPIRATION. IF COMATOSE, A CUFFED ENDOTRACHEAL TUBE WILL PREVENT ASPIRATION.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

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

OIL SOLUBLE SODIUM SULFONATE
NO TOXICITY DATA AVAILABLE

ETHYL ACETATE

IHL-HMN: TCLO 400 PPM 3.
ORL-RAT: LD50 5620 MG/KG 3.
IHL-RAT: LC50 200 GM/M3 3.
SKN-RBT: LD50 >20 ML/KG 3.

ALIPHATIC HYDROCARBON

NO TOXICITY DATA AVAILABLE

LIGHT NAPHTHENIC HYDROTREATED PETROLEUM DISTILLATE

SKN-RBT: SDT - 500 MG SEVERE 3.
ORL-RAT: LD50 > 5 GM/KG 3.
SKN-RBT: LD50 >2 gm/kg 3.

PROPANE

NO TOXICITY DATA AVAILABLE

N-BUTANE

IHL-RAT: 658 GM/M3/4H 3.

SECTION VII - REACTIVITY DATA

Stability: X <--Stable <--Unstable

Conditions to Avoid:

AVOID HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE, CHROMIC ACID, CHLOROSULFONIC ACID, TERT-POTASSIUM BUTOXIDE, TERT-LITHIUM ALUMINATE, COPPER, NITRATES AND SOME PLASTICS.

Hazardous Decomposition Products:

OXIDES OF CARBON AND SULFUR, HYDROGEN AND SODIUM.

Hazardous Polymerization:

<--May Occur X <--Will Not Occur

Conditions to Avoid:

N/A

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:

NONE KNOWN.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

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

Respiratory Protection:

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

Glove Protection:

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

Eye Protection:

CUSTOMER: V0262602

ORDER #: 0166M

BATCH #: 042600025

STICKER #: 042600171

ZONE #: 10

BARCODE #: 9611019095150212163579

PRODUCT NAME: FREE W/MOLY AEROSOL

MATERIAL SAFETY DATA SHEET: FREE W/MOLY AEROSOL

Page: 1

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DATE OF ISSUE 8/23/2001	SUPERSEDED 7/29/1998
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SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms
N/A

Trade Name & Synonyms
FREE W/MOLY AEROSOL

Chemical Family:
ALIPHATIC PETROLEUM DISTILLATE

Formula Mixture --> X

Manufacturer's Name:
CERTIFIED LABS, DIV. OF NCH CORP.

Address:
BOX 152170
IRVING, TEXAS 75015

Prepared By:
B Malkey/Chemist

Product Code Number
5068

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 #
ALIPHATIC PETROLEUM DISTILLATE	COMB / IRR	100 PPM 1	100 PPM 2	N/E	64742-88-7
ETHYL ACETATE	FLAMM/ IRR	400 PPM 1	400PPM 2	N/E	141-78-6
OIL SOLUBLE SODIUM SULFONATE	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10MG/M3 \$1	68608-26-4
LIGHT NAPHTHENIC HYDROTREATED DISTILLATE	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10MG/M3 \$1	64742-53-6
N-BUTANE	FLAM/ASPHY	800 PPM 1.	N/E 2.	N/E	106-97-6
PROPANE	FLAM/ASPHY	2500 PPM 1	1000 PPM 2	N/E	74-98-6
\$ OIL MIST VALUES					

SECTION III - PHYSICAL DATA

Boiling Point (F):	160	Specific Gravity (H20=1):	0.820
Vapor Pressure (MM HG):	13.6	Color:	AMBER
Vapor Density (Air=1):	1.8	Odor:	SOLVENT
PH @ 100% :	N/A	Clarity:	TRANSPARENT
% Volatile by Volume:	79	Evaporation Rate (BU A/C=1):	0.6
H2O Solubility:	NEGLECTIBLE	Viscosity:	NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point 80 F. / T.C.C.	Flammable Limits ETHYL ACETATE	LEL 2.2%	UEL 11.0%
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Extinguishing Media
X --Foam <--Alcohol Foam X --CO2 X --Dry Chemical X --Water Spray <--Other

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

Unusual Fire and Explosion Hazards:
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBACK. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS LIQUID FLOATS ON WATER. FLAME EXTENSION IS > 18 INCHES, BURNBACK IS 5-6 INCHES.

Aerosol Level (NFPA 30B): 3

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

SECTION V - HEALTH 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 TEARING, ITCHING, REDNESS AND BURNING SENSATION. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. INHALATION: INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SEEN AS DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS AND EVEN DEATH. INGESTION: CAUSES GASTROINTESTINAL IRRITATION WITH POSSIBLE NAUSEA, VOMITING, EUPHORIA, STAGGERING GAIT, LACK OF COORDINATION AND OTHER EFFECTS SIMILAR TO INHALATION. 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)

PROLONGED OR REPEATED CONTACT MAY RESULT IN OIL ACNE, WHICH IS CHARACTERIZED BY BLACKHEADS WITH POSSIBLE SECONDARY INFECTION. CONSTITUENTS OF THIS PRODUCT HAVE BEEN ASSOCIATED WITH PHOTOSENSITIVITY, AN ABNORMAL SENSITIVITY OF THE SKIN TO SUNLIGHT. LONG TERM REPEATED ORAL EXPOSURE MAY RESULT IN

SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

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--> Heated--> Refrigerated-->
 Minimum Temperature: 35 F. Maximum Temperature: 120 F.

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

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Upper % Limit</u>
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, 2001.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2001.

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

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