

CUSTOMER: F0383607

ORDER #: 0108!

ATCH #: 030170023

STICKER #: 030170413

NE #: AER2

ROCODE #: 9611019076974515893408

PRODUCT NAME: AEROLEX PLUS AEROSOL

MATERIAL SAFETY DATA SHEET: AEROLEX PLUS AEROSOL

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DATE OF ISSUE
8/27/2001SUPERSEDES
6/03/1997

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms

Trade Name & Synonyms
AEROLEX PLUS AEROSOLChemical Family:
ALCOHOL MIXTURE

Formula Mixture --> X

Manufacturer's Name:
RESEARCH DIV. OF NCH CORP.Address:
152170
DALLAS, TX 75015Prepared By:
Mickey/ChemistProduct Code Number
5438Emergency 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 #
ISOPROPANOL	FLAM/IRR	400 PPM 1	400 PPM 2	N/E	67-63-0
ETHYLENE DISULFIDE	IRRITANT	10 MG/M3 1	15 MG/M3 2	N/E	1317-33-5
AROMATIC PETROLEUM DISTILLATE	FLAM/IRR	25 PPM 1	100 PPM 2	N/E	64742-95-6
PROPANE	FLAM/ASPHY	2500 PPM 1	1000 PPM 2	N/E	74-98-6
BUTANE	FLAM/ASPHY	N/E 1	N/E 2	N/E	75-28-5

SECTION III - PHYSICAL DATA

Boiling Point (F):	180	Specific Gravity (H2O=1):	0.817
Boiling Point (MM HG):	33	Color:	GRAY
Vapor Density (Air=1):	2.07	Odor:	ALCOHOL
Flash Point:	N/A	Clarity:	OPAQUE
Volatility by Volume:	94	Evaporation Rate (BU A/C=1):	2.88
Water Solubility:	NEGLIGIBLE	Viscosity:	NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point	Flammable Limits	LEL	UEL
100 F. / SETAFASH	ISOPROPANOL	2.0	12.7
Extinguishing Media			
Alcohol Foam	Alcohol Foam	X --CO2	X Dry Chemical
			--Water Spray
			--Other

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 EXPLOSION.

Usual Fire and Explosion Hazards:

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBACK. FLAME EXTENSION = 36 INCHES. BURNBACK = 6 INCHES

Aerosol Level (NFPA 30B): 3

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

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute (Short Term Exposure)

SKIN CONTACT: CAUSES IRRITATION SEEN AS REDNESS AND TEARING. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. INHALATION: MAY CAUSE HEADACHE, DIZZINESS AND NAUSEA. EXCESSIVE INHALATION OF VAPORS MAY CAUSE IRRITATION TO THE EYES, NOSE AND THROAT WITH POSSIBLE IMPAIRED COORDINATION, CONFUSION AND CENTRAL NERVOUS SYSTEM DEPRESSION. INGESTION: MAY CAUSE IRRITATION SEEN AS NAUSEA, VOMITING AND DIARRHEA. INGESTION AND VOMITING OF THIS PRODUCT CAN LEAD TO BRONCHOPNEUMONITIS & PULMONARY EDEMA.

-Chronic (Long Term Exposure)

CHRONIC DATA AVAILABLE. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS. TARGET ORGANS: CENTRAL NERVOUS SYSTEM.

Primary 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.

SECTION V - HEALTH HAZARD DATA (Continued)

-Eye Contact:

USE 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:

DRINK 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:

ASPIRATION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL. ENDING ON THE AMOUNT INGESTED AND RETAINED AS WELL AS THE TOXICITY OF THE PRODUCT, GASTRIC LAVAGE SHOULD BE CONSIDERED. KEEP PATIENT'S HEAD BELOW NECK 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:

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

PROPANOL

ORL-HMN LD50: 3570 MG/KG 3.
ORL-RAT LD50: 5045 MG/KG 3.
IHL-RAT LC50: 16000 PPM/8H 3.
SKN-RBT LD50: 12800 MG/KG 3.
SKN-RBT SDT: 500 MG MILD 3.
EYE-RBT SDT: 10 MG MODERATE 3.

MOLYBDENUM DISULFIDE

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

AROMATIC PETROLEUM DISTILLATES

ORL-RAT LD50: 8400 MG/KG 3.
IHL-RAT TCLO: 1320 PPM/6H/90D-I 3.
EYE-RBT SDT: 100 UL/24H MILD 3.

PROPANE

NO TOXICITY DATA AVAILABLE

ISOBUTANE

IHL-RAT LC50: 57 PPH/15M 3.

SECTION VII - REACTIVITY DATA

Stability: X --- Stable --- Unstable

Conditions to Avoid:

OPEN HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.

Compatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE, BASES, CHLORINATED COMPOUNDS, AMINES, ALKANOLAMINES AND ALDEHYDES.

Hazardous Decomposition Products:

OXIDES OF CARBON AND SULFUR AND MOLYBDENUM.

Hazardous Polymerization:

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

Conditions to Avoid:

None

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

DEPEND ON THE NATURE OF THE AEROSOL PACKAGING. A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, VENTILATE THE AREA, 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. AEROSOL RECYCLING PROGRAMS ARE AVAILABLE IN MANY AREAS. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER.

Neutralizing Agent:

None Known.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

GENERAL VENTILATION IS NORMALLY ADEQUATE.

Respiratory Protection:

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:

NITRILE OR NITRILE RUBBER 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:

None Under Normal Conditions of Use.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors ---

Outdoors -->

Heated -->

Refrigerated -->

Minimum Temperature: 0°F. Maximum Temperature: 120°F.