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DATE OF ISSUE
7/29/1998

SUPERSEDES
7/22/1997

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms
N/A

Trade Name & Synonyms
YIELD AEROSOL

Chemical Family:
ALIPHATIC PETROLEUM DISTILLATE

Formula Mixture --> X

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

Address:
BOX 152170
IRVING, TX 75015

Prepared By:
G MARSHALL/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	500 PPM 2	NOT EST.	8052-41-3
ETHYL ACETATE	FLAMM/ IRR	400 PPM 1	400PPM 2	NOT EST.	141-78-6
SODIUM PETROLEUM SULFONATE	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10 MG/M3 \$	68608-26-4
LIGHT NAPHTHENIC HYDROTREATED DISTILLATE	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10 MG/M3 \$	64742-53-6
ISOBUTANE	FLAMMABLE	NOT EST. 1	NOT EST. 2	NOT EST.	75-28-5
PROPANE	ASPHYXIAN	2500 PPM 1	1000 PPM 2	NOT EST.	74-98-6
\$ OIL MIST VALUES					

SECTION III - PHYSICAL DATA

Boiling Point (F):	160	Specific Gravity (H2O=1):	0.860
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%
Extinguishing Media X <--Foam	<--Alcohol Foam	X <--CO2	X <--Dry Chemical
			X <--Water Spray
			<--Other
Special Fire Fighting Procedures: SPRAY WATER ON AEROSOL CONTAINERS TO COOL, AVOIDING RUPTURING. WEAR FULL PROTECTIVE CLOTHING INCLUDING A SUPPLIED AIR DEVICE.			
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, REDNESS, AND BURNING SENSATION. PROLONGED CONTACT MAY LEAD TO SEVERE IRRITATION. MAY POSSIBLY CAUSE FINE VASCULAR LESIONS OF THE CORNEA. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. MATERIAL MAY BE ABSORBED ACROSS MARKEDLY ABRADED SKIN WHEN CONTACT IS SUSTAINED. 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 PHOTSENSITIVITY, AN ABNORMAL SENSITIVITY OF THE SKIN TO SUNLIGHT. LONG TERM REPEATED ORAL EXPOSURE MAY RESULT IN 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 A 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

SECTION V - HEALTH HAZARD DATA (Continued)

RATES AS WELL AS A BLUISH DISCOLORATION OF THE SKIN. TARGET ORGANS: LIVER, LUNGS, AND KIDNEY.

Primary Routes of Entry: X <--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:

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.

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 PETROLEUM DISTILLATE	SODIUM PETROLEUM SULFONATE
EYE-HMN: 470 PPM/15M 3.	ORL-RAT LD50: 6.0 G/KG 4.
IHL-CAT LCLO: 10 G/M3/2.5H 3.	
ORL-RAT LD50: 5 G/KG 4.	
LIGHT NAPHTHENIC HYDROTREATED DISTILLATE	ETHYL ACETATE
NO TOXICITY DATA AVAILABLE	IHL-RAT LC50: 1600 PPM 3.
	ORL-RAT LD50: 5620 MG/KG 3.
	SKN IRRITATION RET: SLIGHT 4.
	EYE IRRITATION RET: SLIGHT 4.

PROPANE
NO TOXICITY DATA AVAILABLE
ISOBUTANE
ORL-RAT LC50: 57 PPH/15M 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 BLEACH, STRONG ACIDS OR BASES, AND ALKALI METAL HYDROXIDES.

Hazardous Decomposition Products:

OXIDES OF CARBON, SMOKE, FUMES, NITROGEN, AND SULFUR.

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 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

SECTION X - STORAGE AND HANDLING INFORMATION (Continued)

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, 1997.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 1998.
4. VENDOR'S MSDS

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 LEVEL, STEL:SHORT TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIANT

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