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DATE OF ISSUE
3/18/2004SUPERSEDES
6/18/2001

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms

N/A

Trade Name & Synonyms

SILA-CHEM AEROSOL

Chemical Family:

HYDROCARBON/SILOXANE BLEND

Formula Mixture --> X

Manufacturer's Name:

CHEMSEARCH DIV. OF NCH CORP

Address:

BOX 152170
IRVING, TX 75015

Prepared By:

C Williamson/Chemist

Product Code Number

5603

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 #
N-HEXANE	FLAM/IRR	50 PPM 1	50 PPM 2	N/E	110-54-3
3-METHYLPENTANE	FLAM/IRR	500PPM 1	N/E 2.	1000PPM 1	96-14-0
2-METHYLPENTANE	FLAM/IRR	500PPM 1	N/E 2.	1000PPM 1	107-83-5
PROPANE	FLAM/ASPHX	2500PPM 1	1000PPM 2	N/E	74-98-6
ISOBUTANE	FLAM/IRR	N/E	N/E	N/E	75-28-5

SECTION III - PHYSICAL DATA

Boiling Point (F):	143°	Specific Gravity (H2O=1):	0.745
Vapor Pressure (MM HG):	35-65psi	Color:	COLORLESS
Vapor Density (Air=1):	3	Odor:	SOLVENT
PH @ 100% :	N/A	Clarity:	TRANSPARENT
% Volatile by Volume:	92.2	Evaporation Rate (BU A/C-1):	8.6
H2O Solubility:	NEGLIGIBLE	Viscosity:	NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point <31°F / T.C.C.	Flammable Limits N-HEXANE	LEL 1.1%	UEL 7.5%
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Extinguishing Media
 X --Foam <--Alcohol Foam X --CO2 X --Dry Chemical X --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 BURSTING.

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. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. FLAME EXTENSION IS 30 INCHES, BURNBACK IS 3 INCHES.

Aerosol Level (NFPA 30B): N/A

NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
 1 --Health 4 --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: MAY CAUSE IRRITATION SEEN AS TEARING AND REDNESS.

SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. PROLONGED OR REPEATED CONTACT MAY CAUSE DEBATTING AND DRYING OF THE SKIN.

INHALATION: AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION SEEN AS HEADACHE, DIZZINESS, LIGHTHEADEDNESS, NAUSEA AND LOSS OF COORDINATION. CONTINUED INHALATION MAY CAUSE UNCONSCIOUSNESS AND DEATH.

INGESTION: MAY CAUSE CHEMICAL PNEUMONITIS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

-Chronic (Long Term Exposure)

PROLONGED AND REPEATED INHALATION HAS BEEN ASSOCIATED WITH IRREGULAR HEART RHYTHMS AND POTENTIAL CARDIAC ARREST. HIGH CONCENTRATIONS MAY CAUSE PERIPHERAL AND CENTRAL NERVOUS SYSTEM TOXICITY IN HUMANS. PERIPHERAL NERVE DAMAGE MAY BE EVIDENCED BY LOSS OR IMPAIRMENT OF MOTOR FUNCTION AND/OR LOSS OF SENSATION IN THE ARMS AND LEGS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS.

TARGET ORGANS: CENTRAL AND PERIPHERAL NERVOUS SYSTEM, HEART, REPRODUCTIVE SYSTEM.

Primary Routes of Entry: X --Inhalation <--Ingestion <--Absorption

SECTION V - HEALTH HAZARD DATA (Continued)

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

-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:

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. LIGHT HYDROCARBONS LIKE THIS ONE HAVE BEEN ASSOCIATED WITH CARDIAC SENSITIZATION IN ABUSE SITUATIONS. HYPOXIA OR THE INJECTION OF ADRENALINE-LIKE SUBSTANCES ENHANCES THESE EFFECTS.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

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

N-HEXANE

ORL-RAT LD50: 25 GM/KG 4.
IHL-HMN TCLo: 190 PPM/SW 4.
EYE-RBT-SDT: 10 MG MILD 4.

THIS MATERIAL MAY ADVERSELY AFFECT THE MALE REPRODUCTIVE SYSTEM BASED ON TESTING IN LABORATORY ANIMALS. 3.

1-METHYLPENTANE

NO TOXICITY DATA AVAILABLE

2-METHYLPENTANE

ORL-RAT TDLo: 10 GM/KG/4W-I 4.

PROPANE/ISOBUTANE MIXTURE

NO APPARENT ILL EFFECTS IN BREATHING CONCENTRATIONS OF 5% FOR 2 HOURS. 3.
CAUSES DROWSINESS IN SHORT TIME IN CONCENTRATIONS OF 1%. 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.

Hazardous Decomposition Products:

OXIDES OF CARBON AND VARIOUS HYDROCARBONS.

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:

ELIMINATE ALL SOURCES OF IGNITION. ISOLATE AND VENTILATE THE AREA. WEAR APPROPRIATE PROTECTIVE CLOTHING. USE CARE AS SPILLS MAY BE SLIPPERY. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

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:

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/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:

SAFETY GLASSES IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES.

SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X Outdoors--> Heated--> Refrigerated-->
 Minimum Temperature: 40°F Maximum Temperature: 110°F

Precautions to be Taken in Handling and Storing:
 USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE
 EMPTY CONTAINERS TO HEAT, HOT SURFACES, SPARKS OR OPEN FLAMES.

Other Precautions:
 KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH MAY EXHIBIT THE
 HAZARDS OF THE PRODUCT.

SECTION XI - REGULATORY INFORMATION

Chemical Name	CAS Number	Upper & Limit
N-HEXANE	110-54-3	15

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. VENDOR'S MSDS.
4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODISC, 2001.

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

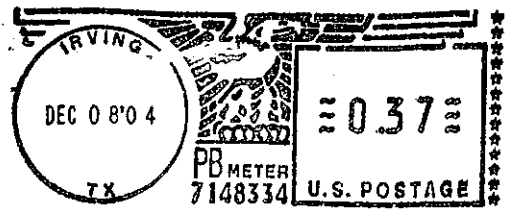
IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE,
 CORR: CORROSIVE CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED, COC: CLEVELAND OPEN CUP, FMCC: PENSLEY-MARTIN CLOSED CUP,
 TCC: TAGLABUE CLOSED CUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT, NFPA: NATIONAL 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: ASPHYXIANT, ENOS: PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD DRAIZE TEST,
 ORL: ORAL, IHL: INHALATION, HMN: HUMAN

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 product.


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O.S.H.A. MSDS ENCLOSED
RETENTION REQUIRED BY LAW

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SMALL ENGINE REPAIR
214 PARK AVE
SYRACUSE NY 13204

13204+2407 21 
IMPORTANT DOCUMENT ENCLOSED
O.S.H.A. INFORMATION

Customer Number : C0210616
Bill of Lading Number: 255155
Order Number : 0238: