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DATE OF ISSUE
11/22/2005SUPERSEDES
6/27/2002

SECTION I - GENERAL INFORMATION

Trade Name & Synonyms

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LEXITE NF AEROSOLChemical Family:
ALKYL BROMIDE

Formula Mixture --> X

Manufacturer's Name:
CHEMSEARCH DIV. OF NCH CORP.Address:
BOX 152170
IRVING, TX 75015Prepared By:
K Mohochi/ChemistProduct Code Number
5203Emergency 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-PROPYL BROMIDE	IRRITANT	25 PPM 3	N/E 2	N/E	105-94-5
ISOPROPANOL	IRRITANT	200 PPM 1	400 PPM 2	400 PPM 1	67-63-0
CARBON DIOXIDE	ASPHYX	5000 PPM 1	5000 PPM 2	30000PPM 1	124-38-9

SECTION III - PHYSICAL DATA

Boiling Point (F):	160°	Specific Gravity (H2O=1):	0.988
Vapor Pressure (MM HG):	4098.11	Color:	COLORLESS
Vapor Density (Air=1):	1.6	Odor:	SWEET
PH @ 100% :	N/A	Clarity:	TRANSPARENT
% Soluble by Volume:	100	Evaporation Rate (BU A/C=1):	91.47
H2O Solubility:	NEGLECTIBLE	Viscosity:	NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point >200°F / T.C.C.	Flammable Limits ISOPROPANOL*	LEL 2.0%	UEL 12.7%
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Extinguishing Media
 X --Foam X --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 BURSTING.

Unusual Fire and Explosion Hazards:
 FLAME EXTENSION IS 0 INCHES, BURNBACK IS 0 INCHES. 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. *ALTHOUGH THERE ARE NO FLAMMABLE LIMITS FOR THIS PRODUCT AT AMBIENT TEMPERATURES AND PRESSURES, THIS MATERIAL CAN FORM A FLAMMABLE MIXTURE AT EXTREMELY HIGH TEMPERATURES OR WHEN PERFORMING HOT WORK SUCH AS WELDING. USE CARE AS SPILLS MAY BE SLIPPERY.

Aerosol Level (NFPA 30B): 1

NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
 2 --Health 1 --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 STINGING, TEARING, SWELLING, BLURRED VISION, REDNESS, AND A BURNING SENSATION. PROLONGED CONTACT MAY CAUSE CORNEAL DAMAGE.

SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. PRODUCT MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN.

INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEARINESS, UNCONSCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL.

INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ABSORPTION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

-Chronic (Long Term Exposure)

EXPOSURE TO HIGH DOSES MAY CAUSE LIVER, LUNG, AND KIDNEY EFFECTS. PROLONGED EXPOSURE FACIAL FLUSHING, LOW BLOOD PRESSURE, AND SLOW HEARTBEAT. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.

TARGET ORGANS: CENTRAL AND PERIPHERAL NERVOUS SYSTEMS, HEART, LIVER, LUNGS, KIDNEYS, AND TESTES. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

SECTION V - HEALTH HAZARD DATA (Continued)

X <--Inhalation <--Ingestion X <--Absorption

Primary-Routes-of-Entry:-----
 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

VOC CONTENT: 96.6% BY WEIGHT; 70.7% BY VOLUME; 954 G/L

N-PROPYL BROMIDE
 SKN-RAT LD50: >2 G/KG 6.
 ORL-RAT LD50: 4260 MG/KG 3.
 IHL-RAT LC50: 253000 MG/M3/0.5 HR. 3.
 IHL-RAT LC50: 35000 MG/M3/4 HR 5.

THE OVERALL CONCLUSION FROM ANIMAL DATA IS THAT THE MOST SENSITIVE ENDPOINT OF TOXICITY IS PERIPHERAL/ CENTRAL NEUROTOXICITY FOLLOWED BY REPRODUCTIVE TOXICITY, LIVER TOXICITY, HEMATOPOIETIC TOXICITY, AND CNS PATHOLOGY WITH THE POSSIBILITY OF CARDIAC AND KIDNEY EFFECTS AT NEARLY LETHAL DOSES. HUMAN STUDIES SUGGEST INCREASED INCIDENCE OF HEADACHES, HEMATOPOIETIC EFFECTS AS WELL AS REPRODUCTIVE TOXICITY EFFECTS AMONG AFFECTED WORKERS. 7.

ISOPROPANGL
 ORL-HMN LDLo: 3570 MG/KG 4.
 ORL-RAT LD50: 5500 MG/KG 3.
 SKN-RBT LD50: 12000 MG/KG 3.
 SKN-RBT SDT: 500 MG MILD 4.
 EYE-RBT SDT: 10 MG MODERATE 4.
 IHL-RAT LC50: 16000 PPM/6H 4.

CARBON DIOXIDE
 IHL-RAT TCLo: 10000 PPM/24(S)-30 DAYS CONTINUOUS 3.
 IHL-HMN LCLo: 9 PPM/5M 3.

IT HAS BEEN REPORTED THAT PERSONS MAY TOLERATE 1.5% IN INHALED AIR FOR PROLONGED PERIODS WITHOUT ADVERSE EFFECTS, BUT CALCIUM/PHOSPHORUS METABOLISM MAY BE AFFECTED WITH SERUM LEVELS OF CALCIUM AND URINARY PHOSPHORUS PROGRESSIVELY FALLING. AT 2% CONCENTRATION, DEEPENED RESPIRATION MAY OCCUR. AT 3% IMPAIRMENT OF PERFORMANCE HAS BEEN NOTED. IT HAS, HOWEVER, BEEN DEMONSTRATED THAT THE DEVELOPMENT OF TOLERANCE MAY OCCUR DURING PROLONGED EXPOSURE TO LOW LEVELS.
 OXYGEN DEFICIENCY DURING PREGNANCY HAS PRODUCED DEVELOPMENTAL ABNORMALITIES IN HUMANS AND EXPERIMENTAL ANIMALS.
 EXPOSURE OF FEMALE RATS TO 60,000 PPM CARBON DIOXIDE FOR 24 HOURS HAS PRODUCES TOXIC EFFECTS TO THE EMBRYO AND FETUS IN PREGNANT RATS. 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; STRONG BASES, MOIST CESIUM MONOXIDE, LITHIUM ACETYLENE CARBIDE DIAMINO, SODIUM PEROXIDE, RUBBER, SOME PAINTS, AND PLASTICS; REACTIVE METALS SUCH AS POWDERED ALUMINUM, SODIUM, POTASSIUM, AND CALCIUM. FINELY PROLONGED CONTACT WITH FREE WATER MAY RESULT IN CORROSION AND DIMINISHED STABILIZER LEVELS.

Hazardous Decomposition Products:
 OXIDES OF CARBON AND NITROGEN; BROMINE AND HYDROGEN BROMIDE.

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, WEAR APPROPRIATE PROTECTIVE CLOTHING, VENTILATE THE AREA, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. USE CARE AS SPILLS MAY BE SLIPPERY.

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:

SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS OR VAPORS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHING AND SHOES. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

SECTION X - STORAGE AND HANDLING INFORMATION

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

Chemical Name	CAS Number	Upper & Limit
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. LW THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2005.
 2. OSHA PEL.
 3. VENDOR'S MSDS.
 4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2005.
 5. INSTITUT NATIONAL DE L'ENVIRONNEMENT INDUSTRIAL ET DES RESQUES, FINAL REPORT (INERIS.L.E.T.E. STUDY NUMBER 95 122) (1997).
 6. CENTRE INTERNATIONAL DE TOXICOLOGIE, ACUTE DERMAL TOXICITY IN RATS (LABORATORY STUDY NUMBER 13113 TAR) (1995).
 7. DERIVATION OF AN OCCUPATIONAL EXPOSURE LIMIT FOR N-PROPYL BROMIDE, JOHN DOULL, PH.D., M.D. & KARL K. ROZMAN, PH.D., D.A.S.T., 2001.
- ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING.

IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COME: COMEUSTIBLE, CORR: CORROSIVE CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED, COC: CLEVELAND OPEN CUP, FMCC: PENSLEY-MARTIN CLOSED CUP, TCC: TAGLIAPIRE 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, PMS: PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD DRAIZE TEST, ORL: ORAL, IHL: INHALATION, HMN: HUMAN

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