

## MATERIAL SAFETY DATA SHEET STING-X II AERO

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DATE OF ISSUE: 08/27/2001  
 SUPERCEDES: 05/02/2001

## SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms: N/A Trade Name & Synonyms: STING-X II AEROSOL  
 Chemical Family: PETROLEUM DISTILLATE Formula Mixture: X  
 Manufacturer's Name: CERTIFIED LABS, DIV. OF NCH CORP.  
 Address: BOX 152170 IRVING, TEXAS 75015  
 Prepared By: K Dickinson/Chemist  
 Product Code Number: 5388  
 Emergency Phone Number: 800-424-9300

## SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS :

Chemical Name (Ingredients): LIGHT PETROLEUM DISTILLATE, HYDROTREATED  
 Hazard: COMB/IRR  
 TLV: 100 PPM 1  
 PEL: 500 PPM 2  
 STEL: N/E  
 CAS#: 64742-47-8  
 Chemical Name (Ingredients): CARBON DIOXIDE  
 Hazard: ASPHYX  
 TLV: 5000 PPM 1  
 PEL: 5000 PPM 2  
 STEL: N/E  
 CAS#: 124-38-9

Chemical Name (Ingredients): \$ DENOTES OIL MIST VALUES

Hazard:  
 TLV:  
 PEL:  
 STEL:  
 CAS#:

## SECTION III - PHYSICAL DATA

Boiling Point (f): 424  
 Specific Gravity (H2O=1): 0.80  
 Vapor Pressure (MM HG): <0.1  
 Color: COLORLESS  
 Vapor Density (Air=1): 5.9  
 Odor: PETROLEUM  
 PH @ 100%: N/A  
 Clarity: TRANSPARENT  
 Volatile by Volume: 99  
 Evaporation Rate (BU A/C=1): <0.01  
 H2O Solubility: NEGLIGIBLE  
 Viscosity: NON-VISCOUS

## SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: 192 F / SETA  
 Flammable Limits: PETROLEUM DISTILLATES LEL: 0.7 UEL: 5

Extinguishing Media:

Foam: X Alcohol Foam: X CO2: X  
 Dry Chemical: X Water Spray: X Other:

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards:

FLAME EXTENSION IS >36 INCHES, BURNBACK IS 0 INCHES. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FLOWING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD AS LIQUID FLOATS ON WATER.

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Aerosol Level (NFPA 30B) : 3  
 NFPA 704 Hazard Rating:  
 (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
 Health: 1 Flammability: 2 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: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. MAY CAUSE DERMATITIS AND ALLERGIC SKIN REACTION.  
 EYE CONTACT: CAUSES IRRITATION SEEN AS REDNESS, STINGING AND TEARI-  
 NG. MAY CAUSE CONJUNCTIVITIS.

INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. AT HIGH EXPOSURE LEVELS OF CONCENTRATION, INITIAL SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, CENTRAL NERVOUS SYSTEM DEPRESSION (INTOXICATION), CARDIAC ARRHYTHMIA AND POSSIBLE DEATH MAY OCCUR.

INGESTION: 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. MAY CAUSE GASTROINTESTINAL IRRITATION SEEN AS NAUSEA, VOMITING AND DIARRHEA.

-Chronic (Long Term Exposure)

MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING HEART, CARDIOVASCULAR DISEASES AND RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.  
 TARGET ORGANS: CENTRAL NERVOUS AND CARDIOVASCULAR SYSTEMS.

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

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 CUPPED 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

PETROLEUM DISTILLATES, HYDROTREATED LIGHT (BASED ON SIMILAR COMPOUNDS)

OIL-RAT LD50: &gt;5 G/M3

3.

SKN-RAT LD50: &gt;2 G/M3

3.

CARBON DIOXIDE

IHL-RAT TCLO: 10000 PPM/24(S) -30 DAY(S) CONTINUOUS

4.

IHL-RAT LCLO: 9 PPM/5M

4.

## SECTION VII - REACTIVITY DATA

Stability:

Stable: X

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.

Hazardous Polymerization: May Occur: Will Not Occur: X

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, VENTILATE THE AREA AND ABSORB WITH AN INNER MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF 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: NONE KNOWN.

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 EXIST.

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

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Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection: WEAR PROTECTIVE CLOTHING WHEN HANDLING.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Heated: X Outdoors: X Refrigerated: X Minimum Temperature: 32 F Maximum Temperature: 120 F

Precautions to be taken in Handling and Storing: DO NOT ALLOW PESTICIDE TO CONTAMINATE FOOD, FEED OR NATURAL BODIES OF WATER. 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.

SECTION XI - REGULATORY INFORMATION

Chemical Name CAS Number Upper % Limit

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III and of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

SECTION XII - REFERENCES

- 1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2001.
2. OSHA PEL.
3. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, EIGHTH EDITION, RICHARD J. LEWIS, SR.

4. VENDOR'S MSDS.  
ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA IN  
VENTORY.

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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,  
LET: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT,  
NPPA: 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: ASPHYXANT, ENOS:  
PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD  
DRAIZE TEST, ORL: ORAL, HMN: HUMAN, THL: INHALATION  
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SE, STORAGE OR DISPOSAL OF THE PRODUCT.