MATERIAL SAFETY DATA SHEET: DROP DEAD AEROSOL (15 OZ)

DATE OF ISSUE: 02/21/2002  SUPERCEDES: 12/16/1999

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms: N/A
Trade Name & Synonyms: DROP DEAD AEROSOL (15 OZ)
Chemical Family: AQUEOUS PERMETHRIN SOLUTION
Manufacturer's Name: CHEMSEARCH DIV. OF NCH CORP.
Address: BOX 152170
IRVING, TX 75015
Prepared By: L Boynton/Chemist
Product Code Number: 5021
Emergency Phone Number: 800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

<table>
<thead>
<tr>
<th>Chemical Name (Ingredients)</th>
<th>Hazard</th>
<th>TLV</th>
<th>PEL</th>
<th>STEL</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROTREATED LIGHT PETROLEUM</td>
<td>IRRITANT</td>
<td>5MG/M3$ 1.</td>
<td>5MG/M3$ 2.</td>
<td>10MG/M3$ 1</td>
<td>64742-47-8</td>
</tr>
<tr>
<td>DISTILLATE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROPANE</td>
<td>FLAM/ASPHX</td>
<td>2500 PPM 1</td>
<td>1000 PPM 2</td>
<td>N/E</td>
<td>74-98-6</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>FLAM/ASPHX</td>
<td>N/E 1.</td>
<td>N/E 2.</td>
<td>N/E</td>
<td>75-28-5</td>
</tr>
</tbody>
</table>

$ OIL MIST VALUES

SECTION III - PHYSICAL DATA

Boiling Point (f): 212° Specific Gravity (H20=1): 0.97
Vapor Pressure (MM HG): 18 Color: WHITE
Vapor Density (Air=1): 0.6 Odor: MILD PETROLEUM
PH @ 100% : 8.0 Clarity: OPAQUE
% Volatile by Volume: >99 Evaporation Rate (BU A/C=1): 0.54
H20 Solubility: APPRECIABLE Viscosity: SEMI-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: NON-FLAM / SETAFLASH Flammable Limits: LEL: ISOBUTANE 1.8% UEL: 9%
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.

Unusual Fire and Explosion Hazards:
FIRE FIGHTING SHOULD BE DONE FROM UPWIND TO MINIMIZE POSSIBILITY OF EXPOSURE TO PESTICIDE, SMOKE AND FUMES. EVACUATE PEOPLE DOWNWIND AS APPROPRIATE. AEROSOL CANS CAN EXPLODE WHEN HEATED.

Aerosol Level 1
NFPA 30B:

NFPA Hazard Rating: (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)
Health: 1  Flammability: 1  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.
EYE CONTACT: MAY CAUSE IRRITATION SEEN AS TEARING AND REDNESS.
INHALATION: AT LOW LEVELS, NO HARMFUL EFFECTS ARE EXPECTED. AT
HIGH VAPOR CONCENTRATIONS, INHALATION CAUSES HEADACHE,
DIZZINESS, SNEEZING, DROWSINESS, WEAKNESS, COUGHING, NAUSEA,
PERIPHERAL NUMBNESS, PULMONARY IRRITATION CARDIAC ARRTHYMIA
WITH POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM
DEPRESSION (INTOXICATION) AND POSSIBLE DEATH MAY OCCUR.
INGESTION: CAUSES IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND
DIARRHEA. 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)
NO HUMAN CHRONIC EFFECTS KNOWN. MEDICAL CONDITIONS
AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN
CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS. TARGET
ORGANS: NONE KNOWN. THERE IS NO PRIMARY ROUTE OF ENTRY INTO
THE BODY. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE
CONTACT.

Primary Routes of Entry: 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.

- 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 ENDOTRACHAEAL 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

HYDROTREATED LIGHT PETROLEUM DISTILLATES (BASED ON SIMILAR COMPOUNDS)
ORL-RAT-LD50: >5000MG/M3 3.

PROPANE AND ISOBUTANE MIXTURE
NO APPARENT ILL EFFECTS IN BREATHING CONCENTRATIONS OF 5% FOR 2 HOURS. 4.
CAUSES DROWSINESS IN SHORT TIME IN CONCENTRATIONS OF 1%. 4.

SECTION VII - REACTIVITY DATA

Stability:
Stable: X  Unstable:
Conditions to Avoid:  KEEP AWAY FROM EXCESSIVE HEAT, OPEN FLAME AND ANY SOURCE OF IGNITION.

Incompatibility (Materials to Avoid):
STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE. REDUCING AGENTS SUCH AS ACIDS AND BASES.

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, ABSORB WITH AN INERT 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.

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 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: X Outdoors: Heated: Refrigerated:  
Minimum Temperature: 35°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. CONTENTS UNDER PRESSURE.

Other Precautions:
KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. DO NOT APPLY THIS PRODUCT TO ENERGIZED ELECTRICAL EQUIPMENT.

SECTION XI - REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Upper % Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Those Ingredients listed above are subject to the reporting requirements of 313 of Title III&amp; of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 BIOLOGICAL EXPOSURE INDICES, ACGIH, 1999.  
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 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, 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 LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT,
MLD:MILD, MOD:MODERATE, SEV:SEVERE,
MUT: MUTAGENIC, ASPHYX: ASPHYXIANT, PNOS: PARTICULATES
(INSOLUBLE) NOT OTHERWISE SPECIFIED,
SDT: STANDARD DRAIZE TEST, ORL: ORAL, IHL: INHALATION, HMN: HUMAN
THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED
ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO
WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF
THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

CHEMSEARCH DIV. OF NCH CORP. assumes no responsibility for personal injury
or property damage caused by the use, storage, or disposal of the product in a
manner not recommended on the product label. Users assume all risks associated
with such unrecommended use, storage or disposal of the product.”