

MATERIAL SAFETY DATA SHEET: COMMEND AEROSOL

Section I - General Information

(000000-000000- - 5079)

Date of Issue: 4/18/1997 12:00:00 AM

Chemical Name & Synonyms: N/A

Chemical Family: AEROSOL PETROLEUM MIXTURE

Manufacturer Name: CHEM-AQUA, INC

Manufacturer Address: BOX 152170 IRVING, TEXAS 75015

Prepared By: G MARSHALL/CHEMIST

Supercedes: 1/23/1995 12:00:00 AM

Trade Name & Synonyms: COMMEND AEROSOL

Formula is a mixture: [v]

Product Code Number: 5079

Emergency Phone Number: 800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Table with 6 columns: Chemical Name (Ingredients), Hazard, TLV, PEL, STEL, CAS #. Rows include 1,1,1-TRICHLOROETHANE, HEAVY NAPHTHENIC PETROLEUM DISTILLATE, PROPANE, ISOBUTANE, and LIGHT NAPHTHENIC PETROLEUM DISTILLATE.

Section IIa - Non-Hazardous Ingredients

(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)

Secret Registry #: 409363- 5052P

Section III - Physical Data

Table with 2 columns: Physical Property and Value. Properties include Boiling Point, Vapor Pressure, Vapor Density, pH @ 100%, % Volatile by Volume, H2O Solubility, Specific Gravity, Color, Odor, Clarity, Evaporation Rate, and Viscosity.

Section IV - Fire and Explosion Hazard

Flash Point: 137 F. Flammable Limits: PROPANE LEL: 2.0

Method Used: T.C.C. UEL: 9.0

Aerosol Level (NFPA 30B): 2

Table for Extinguishing Media: [v] Foam, [v] Alcohol Foam, [v] CO2, [ ] Dry Chemical, [ ] Water Spray, [ ] Other

Table for NFPA 704 Hazard Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant. Health: 1, Flammability: 2, Instability: 0, Special:

Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire and Explosion Hazards: CANS MAY RUPTURE IF HEATED, ESCAPING PROPELLANT IS VERY FLAMMABLE. COOL CONTAINERS WITH WATER SPRAY TO AVOID BURSTING. FLAME EXTENSION = >18 INCHES BURNBACK = 4 INCHES

Section V - Health and Hazard Data

Threshold Limit Value: NOT ESTABLISHED FOR MIXTURE. SEE SECTION II

Effects of Overexposure:

Acute: (Short Term Exposure)

INHALATION OF PROPELLANT CAN CAUSE ASPHYXIATION, INHALATION OF EVAPORATING SOLVENT CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION WITH EFFECTS OF HEADACHE, DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS, CARDIAC SENSITIZATION, VENTRICULAR ARYTHMIAS. MIST MAY CAUSE COUGHING OR PAIN IN NOSE, THROAT EYE CONTACT WITH VAPOR MAY CAUSE TEARS OR REDNESS. CONTACT WITH LIQUID MAY CAUSE CORNEAL DAMAGE OR FROSTBITE SKIN CONTACT WITH LIQUID CAN CAUSE FROSTBITE, DRYING TO SKIN. MAY BE ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS INGESTION IS IRRITATING TO THE DIGESTIVE TRACT. MATERIAL CAN BE ABSORBED IN AMOUNTS SUFFICIENT TO CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. IF VOMITING OCCURS, MATERIAL CAN BE ASPIRATED INTO LUNGS WHICH MAY CAUSE PNEUMONITIS. CAN CAUSE FREEZE BURNS TO MOUTH OR THROAT.

Chronic: (Long Term Exposure)

LONG TERM SKIN EXPOSURE CAN CAUSE DERMATITIS. DAMAGE TO LIVER, KIDNEY, AND HEARTBEAT IRREGULARITIES CAN RESULT FROM LONG TERM OVEREXPOSURE BY INHALATION OR SKIN CONTACT. PERSONS WITH PRE-EXISTING SKIN OR RESPIRATORY CONDITIONS MAY BE MORE SUSCEPTIBLE TO SOME EFFECTS. EXISTING HEART OR LIVER CONDITIONS CAN BE AGGRAVATED BY REPEATED EXPOSURE. REPORTS HAVE LINKED LONG TERM EXPOSURE TO HIGH LEVELS OF PETROLEUM DISTILLATES WITH DAMAGE TO THE BRAIN AND CENTRAL NERVOUS SYSTEM. PURSPOSFUL CONCENTRATION AND INHALATION OF VAPORS CAN BE FATAL. TARGET ORGANS: LIVER, KIDNEYS, HEART, NERVOUS SYSTEM, BRAIN

Table for Primary Routes of Entry: [v] Inhalation, [ ] Ingestion, [v] Absorption

Emergency 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: IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

# MATERIAL SAFETY DATA SHEET: COMMEND AEROSOL

## Skin Contact:

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

## Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION IF DISCOMFORT OCCURS.

## Notes to Physician:

THE EFFECTS LISTED ABOVE REFER TO EXPOSURE TO THE LIQUID AS IT SPRAYS OUT OF THE CAN, NOT TO CONTACT WITH THE DRIED MATERIAL.

## Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC                       NTP                       OSHA                       ACGIH                       Other

1,1,1-TRICHLOROETHANE ISOBUTANE  
ORL-HMN TDLO: 670MG/KG TFX:CN 3. IHL RAT LC50 658 G/M3 4HR 4.  
IHL-HMN TCLO: 920PPM/MG TEX:CSN 3. IHL MUS LC50 680 G/M3 4HR 4.  
ORL-RAT LD50: 10,300MG/KG 3.  
NAPHTHENE PETROLEUM DISTILLATES (CAS #64742-52-5 AND CAS# 64742-48-9)  
NO TOXICITY DATA FOUND UPON LITERATURE SEARCH  
PROPANE  
NO TOXICITY DATA FOUND UPON LITERATURE SEARCH

## Section VII - Reactivity Data

### Stability

Stable                       Unstable

### Conditions to Avoid:

STORAGE AT TEMPERATURES BELOW 120F

### Hazardous Polymerization

Will not occur                       May occur

### Conditions to Avoid:

N/A

### Incompatibility (Materials to Avoid):

AMINES, OPEN FLAMES, STRONG OXIDIZERS, STRONG ACIDS, STRONG ALKALIES

### Hazardous Decomposition Products:

OXIDES OF CARBON, HYDROGEN CHLORIDE, PHOSGENE, CHLORINE IF HEATED TO DECOMPOSITION.

## 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.

### Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

### Neutralizing Agent:

N/A

## Section IX - Special Protection Information

### Required Ventilation:

GENERAL EXHAUST IS ADEQUATE UNDER NORMAL CIRCUMSTANCES. USE MECHANICAL VENTILATION SUCH AS A FAN DURING APPLICATION IN POORLY VENTILATED AREAS.

### Respiratory Protection:

TYPICAL USE DOES NOT REQUIRE RESPIRATOR, HOWEVER IN EMERGENCY SITUATIONS WHERE EXPOSURE EXCEEDS OSHA STANDARDS: IDLH 5000PPM/5000PPM/SAF/SCBAF.

### Glove Protection:

POLYVINYL ALCOHOL 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:

PROTECTIVE CLOTHING AS NEEDED TO AVOID SKIN CONTACT DURING APPLICATION.

## Section X - Storage and Handling Information

### Storage Temperature

Max: 120 F.                      Min: 32 F.

### Storage Conditions

Indoors                       Outdoors                       Heated                       Refrigerated

### Precautions to be Taken in Handling and Storing:

STORE AT MODERATE TEMPERATURES. STORE OUT OF DIRECT SUNLIGHT.

### Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

## Section XI - Regulatory Information

### Chemical Name

1,1,1-TRICHLOROETHANE

### CAS Number

71-55-6

### Upper % Limit

50

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, 1994-1995.
2. OSHA PEL.
3. VENDOR'S MSDS.
4. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 8TH EDITION,

# MATERIAL SAFETY DATA SHEET: COMMEND AEROSOL

RICHARD J. LEWIS, SR.

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 THE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

CHEM-AQUA, INC 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.

©2008 [NCH Corporation](#) All rights reserved.