SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS
N/A

TRADE NAME & SYNONYMS
FX-4 AEROSOL

CHEMICAL FAMILY:
HYDROCARBON MIXTURE

FORMULA
X <--MIXTURE

MANUFACTURE'S NAME:
CERTIFIED LABS. DIV. OF NCH CORP.

ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 152170
IRVING, TEXAS 75015

PREPARED BY:
M COHEN/CHEMIST

PRODUCT CODE NUMBER
5758

EMERGENCY TELEPHONE NUMBER
800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

CHEMICAL NAME (INGREDIENTS):
ETHYL LACTATE
HAZARD -----> COMB/IRR.
STEL(TWA)*->N/E | TLV--->N/E 1. | PEL--->N/E 2. | CAS#--->97-64-3 |

REFINED CANOLA OIL
HAZARD -----> IRRITANT
STEL(TWA)*->N/E | TLV--->10 MG/M3 1. | PEL--->5 MG/M3 2. | CAS#--->120962-03-0 |

C16-18 FATTY ACID METHYL ESTERS
HAZARD -----> IRRITANT
STEL(TWA)*->N/E | TLV--->N/E 1. | PEL--->N/E 2. | CAS#--->67762-38-3 |

PROPANE
HAZARD -----> COMB/ASPHY
STEL(TWA)*->N/E | TLV--->2500 PPM 1. | PEL--->1000 PPM 2. | CAS#--->74-98-6 |

N-BUTANE
HAZARD -----> COMB/ASPHY
STEL(TWA)*->N/E | TLV--->800 PPM 1. | PEL--->N/E 2. | CAS#--->106-97-8 |

SECTION III - PHYSICAL DATA

BOILING PT. (F) | 366 | SPEC. GRAVITY (H2O=1) | 0.885

VAPOR PR. (MM HG) | 1243 | COLOR | BROWN

VAPOR DENSITY | 1.7 | ODOR | MUSTY SWEET

PH. @ 100% | N/A | CLARITY | SLIGHTLY HAZY

% VOLATILE BY VOL | 21.8 | EVAPORATION RATE ( BU A/C = 1 ) | 12.26
MATERIAL SAFETY DATA SHEET: FX-4 AEROSOL

SECTION III - PHYSICAL DATA (CONTINUED)

<table>
<thead>
<tr>
<th>H2O SOLUBILITY</th>
<th>NEGLIGIBLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISCOSITY</td>
<td>SLIGHT VISCOUS</td>
</tr>
</tbody>
</table>

SECTION IV - FIRE AND EXPLOSION HAZARD

<table>
<thead>
<tr>
<th>FLASH POINT: 141° F.</th>
<th>FLAMMABLE LIMITS</th>
<th>LE L</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.C.C.</td>
<td>ETHYL LACTATE</td>
<td>1.6%</td>
<td>10.6%</td>
</tr>
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</table>

EXTINGUISHING MEDIA

<table>
<thead>
<tr>
<th>&quot;ALCOHOL&quot;</th>
<th>DRY</th>
<th>WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>X &lt;--FOAM</td>
<td>X &lt;--CO2</td>
<td>X &lt;--SPRAY</td>
</tr>
</tbody>
</table>

SPECIAL FIRE FIGHTING PROCEDURES:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER TO PREVENT BURSTING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBACK. FLAME EXTENSION IS 0 INCHES, BURNBACK IS 0 INCHES.

NFPA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=Moderate; 3=HIGH; 4=EXTREME): 1 <--HEALTH 2 <--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, STINGING AND REDNESS.

SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS BURNS, ITCHING, REDNESS, DRYNESS, DEFLATTING OR CRACKING OF THE SKIN.

INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. AT HIGH VAPOR CONCENTRATIONS, MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SEEN AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONSCIOUSNESS, DISORIENTATION, EXCITATION, NAUSEA, VOMITING, PULMONARY IRRITATION, 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 ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

CHRONIC - (LONG TERM EXPOSURE)

CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE.

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

TARGET ORGANS: CENTRAL NERVOUS SYSTEM. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

PRIMARY ROUTE OF ENTRY: X <-- INHALATION <-- INGESTION <-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

INHALATION:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.
SECTION V - HEALTH HAZARD DATA (CONTINUED)

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 AND 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 CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

<table>
<thead>
<tr>
<th></th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt;--YES</td>
<td>&lt;--YES</td>
<td>&lt;--YES</td>
<td>&lt;--YES</td>
<td>&lt;--YES</td>
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<tr>
<td></td>
<td>X&lt;--NO</td>
<td>X&lt;--NO</td>
<td>X&lt;--NO</td>
<td>ACGIH</td>
<td>X&lt;--NO</td>
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</tbody>
</table>

ETHYL LACTATE
ORL-RAT LD50: 8200 MG/KG 3.
SKN-RBT LD50: >5 G/KG 3.
IHL-RAT LC50: >5400 MG/M3 (4 HOUR) 4.
EYE-RBT SDT: IRRITATION 4.

REFINED CANOLA OIL
NO TOXICITY DATA AVAILABLE

C16-18 FATTY ACID METHYL ESTERS
NO TOXICITY DATA AVAILABLE

PROPANE
NO TOXICITY DATA AVAILABLE

N-BUTANE

SECTION VII - REACTIVITY DATA

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>X&lt;--STABLE</th>
<th>&lt;--UNSTABLE</th>
<th>CONDITIONS TO AVOID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AVOID HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

INCOMPATABILITY (MATERIALS TO AVOID):
STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE, REDUCING AGENTS SUCH AS SODIUM THIOSULFATE, ACIDS AND BASES.
SECTION VII - REACTIVITY DATA (CONTINUED)

HAZARDOUS DECOMPOSITION PRODUCTS:
OXIDES OF CARBON

<table>
<thead>
<tr>
<th>HAZARDOUS POLYMERIZATION</th>
<th>WILL NOT OCCUR</th>
<th>MAY OCCUR</th>
<th>CONDITIONS TO AVOID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X</td>
<td>&lt;--OCCUR</td>
<td></td>
</tr>
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</table>

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, ELIMINATE ALL SOURCES OF IGNITION AND 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.

NEUTRALIZING AGENT:
N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

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

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:
WEAR GENERAL-DUTY WORK CLOTHING AND SHOES. REMOVE OIL SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE

<table>
<thead>
<tr>
<th>INDOOR</th>
<th>HEATED</th>
<th>REFRIGERATED</th>
<th>OUTDOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX: 100 F</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>MIN: 0 F</td>
<td></td>
<td></td>
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</tbody>
</table>

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING CONTENTS UNDER PRESSURE. DO NOT USE OR STORE NEAR HEAT, HOT SURFACES, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY OR OPEN FLAME. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER. EXPOSURE TO TEMPERATURES ABOVE 120°F/49°C MAY CAUSE BURSTING.
SECTION X - STORAGE AND HANDLING INFORMATION (CONTINUED)

OTHER PRECAUTIONS
KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>C.A.S NUMBER</th>
<th>UPPER % LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
<td></td>
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</table>


IF UE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE JANITORIAL WORK, OR THE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND LABELED FOR MAINTAINING MOTOR VEHICLES.

SECTION XII – REFERENCES

2. OSHA PEL.
4. VENDOR’S MATERIAL SAFETY DATA SHEET.

* SHORT TERM EXPOSURE LIMIT (TWA) LISTED AS FINAL RULE LIMITS PUBLISHED IN THE FEDERAL REGISTER/VOL. 54 NO. 12, 1-19-89

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