Section I - General Information

Date of Issue: 6/30/2003 12:00:00 AM

Chemical Name & Synonyms: N/A

Chemical Family: GLYCOL ETHER/HYDROCARBON BLEND

Manufacturer Name: CERTIFIED LABS, DIV. OF NCH CORP.

Manufacturer Address: BOX 152170 IRVING, TEXAS 75015

Prepared By: C Williamson/Chemist

Product Code Number: 464J

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>DIISOPROPYLENE GLYCOL METHYL ETHER (DGME)</td>
<td>COMB/IRR</td>
<td>100 PPM</td>
<td>100 PPM</td>
<td>150 PPM</td>
<td>34590-94-8</td>
</tr>
<tr>
<td>SEVERELY REFINED MINERAL OIL</td>
<td>IRR/IRR</td>
<td>5 MG/NIH</td>
<td>5 MG/NIH</td>
<td>10 MG/NIH</td>
<td>8042-47-5</td>
</tr>
<tr>
<td>VINYL ACETATE MONOMER</td>
<td>IRR/IRR</td>
<td>10 PPM</td>
<td>10 PPM</td>
<td>15 PPM</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section III - Physical Data

Boiling Point (°F): 360°
Vapor Pressure (mm Hg): 0.39
Vapor Density (Air=1): 15.2
% Volatile by Volume: 76
H₂O Solubility: APPRECIABLE

Specific Gravity (H₂O=1): 0.942
Color: OFF-WHITE
Odor: VINYL ACETATE
Clarity: HAZY
Evaporation Rate (BuAc=1): 0.83
Viscosity: NON-VISCOUS

Section IV - Fire and Explosion Hazard

Method Used: SETAFLAS#
UEL: 3.0%
Aerosol Level (NFPA 30B): N/A

NFPA 704 Hazard Rating:
4-Extreme
3-High
2-Moderate
1-Slight
0-Insignificant

Health: 1
Flammability: 2
Instability: 0
Special: N/A

Extinguishing Media:
[ ] Foam
[ ] Alcohol Foam
[ ] CO₂
[ ] 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:
DO NOT SPRAY A DIRECT STREAM OF WATER INTO PRODUCT AS FROTHING AND SPATTERING MAY OCCUR. USE CARE AS SPILLS MAY BE SLIPPERY.

Section V - Health and 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. PRODUCT MAY BE ABSORBED THROUGH THE SKIN. EYE CONTACT: MAY CAUSE IRRITATION SEEN AS TEARING AND REDNESS. 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, WEAKNESS, 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 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. ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSES A RISK OF CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INFLAMMATION INCLUDE INCREASED RESPIRATION AND HEART RATES AS WELL AS A BLUSH DISCOLORATION OF THE SKIN. HYDROCARBON MISTS ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM SINGLE SHORT-TERM REPEATED EXPOSURES TO HIGH CONCENTRATIONS OF MISTS WELL ABOVE APPLICABLE WORKPLACE EXPOSURE LEVELS INCLUDE LUNG INFLAMMATORY REACTION, LIPID GRANULOMA FORMATION AND LIPOID PNEUMONIA. IN RARE CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS AND PRE-EXISTING LIVER AND KIDNEY DISEASES. TARGET ORGANS: CENTRAL NERVOUS SYSTEM, LIVER, AND KIDNEYS.

Primary Routes of Entry:
[ ] 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.

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.
Section VI - Toxicity Information

<table>
<thead>
<tr>
<th>Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:</th>
</tr>
</thead>
</table>

- **VOC Content:** 76% by weight; 76% by volume; 718 G/L 6.0 lb/gal
- **Dipropylene Glycol Monomethyl Ether (DPGME):** EYE-MSD: 8 MG MILD 4.
- **Eye-RAT LD50:** 500 MG/24H MILD 4.
- **Skin-RAT LD50:** 10 ML/KG 4.
- **Oral-RAT LD50:** 500 UL/KG 4.
- **Vinyl Acetate Monomer:** IHL-RAT LD50: 11,400 MG/M3/4H 4.
- **Oral-RAT LD50:** 2900 MG/KG 4.
- **Skin-RAT LD50:** 2335 MG/KG 4.
- **Eye-MSD: 22 PPM 4.**
- **Tumorigenic Data Reproductive Data:** Oral-RAT TDL0: 100 MG/KG/2Y 4; Oral-RAT TDL0: 500 MG/KG/4.
- **Drinking Water Studies in Rats:** Showed suggestive evidence of treatment-related tumors in the uterus and thyroid. An inhalation study showed suggestive evidence of a treatment-related lung tumor in mice and treatment-related nasal and/or larynx tumors in rats. 4.

- **IARC Group 2B**
- **ACGIH Group A3**

**Section VII - Reactivity Data**

- **Stability:** [v] Stable [ ] Unstable
- **Conditions to Avoid:** Avoid heat, hot surfaces, sparks and open flames. Will absorb water if exposed to air. Highly reactive peroxides can be formed during extended storage and exposure to air or oxygen.
- **Hazardous Decomposition Products:** Strong oxidizing agents such as chlorine bleach and concentrated hydrogen peroxide; strong acids.
- **Incompatibility (Materials to Avoid):** Oxides of carbon, aldehydes, various hydrocarbons, and vinyl acetate.

**Section VIII - Spill Or Leak Procedures**

- **Steps to be Taken if Material is Released or Spilled:** Wear appropriate protective clothing. Eliminate all sources of ignition and ventilate the area. Use only non-sparking equipment. Use care as spills may be slippery. Dike and contain spill. Absorb with an inert material and transfer all material into a properly labeled container for disposal. Prevent product from contaminating soil or from entering sewage and drainage systems and bodies of water. Flush area with 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 excessive levels of mists. 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 Respirator 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 these limits, a NIOSH approved half-facepiece respirator equipped with appropriate chemical cartridges may be used.

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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 if the method of application 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. Remove oil-soaked clothing and shoes. Wash clothing and clean shoes before reuse.

Section X - Storage and Handling Information

<table>
<thead>
<tr>
<th>Storage Temperature</th>
<th>Storage Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max: 120°F</td>
<td>[V] Indoors</td>
</tr>
<tr>
<td>Min: -40°F</td>
<td>[V] Outdoors</td>
</tr>
<tr>
<td></td>
<td>[V] Heated</td>
</tr>
<tr>
<td></td>
<td>[V] Refrigerated</td>
</tr>
</tbody>
</table>

Precautions to be Taken in Handling and Storing:
Always store material in its original container. Keep the container tightly closed when not in use. Use with caution around heat, sparks, pilot lights, static electricity, and open flame. Empty containers may contain product residues which may exhibit the hazards of the product. To avoid possible explosion do not pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, hot surfaces, sparks or open flames. Ground and bond container when handling near flammable vapors and all sources of ignition.

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>CAS Number</th>
<th>Upper % Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

2. OSHA PEL.
3. Vendor's MSDS.

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