CARBOLINE CO. MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT: NEOPRENE #1 ADHESIVE

Date: 11/06/01 Replaces 07/08/98

CHEMTEC TRANSPORTATION EMERGENCY PHONE No.: 800-424-9500
PITTSBURGH POISON CONTROL CENTER HEALTH EMERGENCY No.: 412-681-6669

SECTION II - HAZARDOUS INGREDIENTS EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>(A)</th>
<th>(B)</th>
<th>(C)</th>
<th>(D)</th>
<th>(E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>30%</td>
<td>50 PPM</td>
<td>150 PPM</td>
<td>ME</td>
</tr>
<tr>
<td>HEXANE</td>
<td>110-54-3</td>
<td>20%</td>
<td>50 PPM</td>
<td>ME</td>
<td>ME</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>78-93-3</td>
<td>20%</td>
<td>200 PPM</td>
<td>300 PPM</td>
<td>ME</td>
</tr>
<tr>
<td>N-HEPTANE</td>
<td>142-82-5</td>
<td>15%</td>
<td>400 PPM</td>
<td>500 PPM</td>
<td>ME</td>
</tr>
</tbody>
</table>

HAZARDOUS INGREDIENTS ADDITIONAL DATA

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>(F)</th>
<th>(G)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>5.0 g/kg Rat Oral, 14g/kg Rabbit Dermal</td>
<td>NO/YES/1,2,3/</td>
</tr>
<tr>
<td></td>
<td>8000 PPM/4HRS, Rat, Inhalation</td>
<td>100mg/U220</td>
</tr>
<tr>
<td>HEXANE</td>
<td>ME</td>
<td>NO/YES 1,2,3</td>
</tr>
<tr>
<td></td>
<td>ME</td>
<td>5,000 #</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>2737mg/kg Rat, Oral</td>
<td>NO/YES/1,2,3/</td>
</tr>
<tr>
<td></td>
<td>2000PPM/K HRS Rat, Inhalation</td>
<td>5000</td>
</tr>
<tr>
<td>N-HEPTANE</td>
<td>NOT AVAILABLE</td>
<td>NO/NO/1,2,3</td>
</tr>
</tbody>
</table>

TABLE (A) CAS NUMBER (B) LESS THAN WT (C) TLV-TWA (D) STEL (E) CEILING (F)
TOXICITY DATA (LD50/Route,LC50/Route) (G) SARA 302/SARA 313/ SARA 311-312
CATEGORIES/CERCLA. NE = not established, NR = not required, NO = no. Color
Fibrous Mixture may contain Iron Oxides, Titanium Dioxide, Carbon Black,
and other particulates not otherwise regulated in varying amounts depending
on color of product.

WHMIS CLASSIFICATION: B2 -- D2B
WHMIS/HFPA CLASSIFICATION: HEALTH 3, FLAMMABILITY 3, REACTIVITY 0,
PERSONAL PROTECTION CODE G, NFPA FIRE FIGHTING PHASE 4

SECTION III - PHYSICAL DATA:

EVAPORATION RATE: Slower than ether. VOLATILE BY WEIGHT 72 %. VOLATILE BY
VOLUME: 87 %. PRODUCT WT/GAL: 7.7 LBS/U.S.GAL. 0.92 sp pt.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

FLAMMABILITY CLASSIFICATION: FLASH POINT: 0°F(-17°C) (Setaflash) LEL 1.1 %
UEL 10.1 %.
OSHA-ADHESIVES/FLAMMABLE/LIQUID/3/UN1133/PGII, DOT-ADHESIVES,3,UN1133,PGII,
CANADIAN TDGA: ADHESIVES,3,UN1133,PGII
PUTTING OUT MEDIA: Dry Chemical, Foam, Carbon Dioxide, Water Fog.
FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and will accumulate.
Vapors will form explosive concentrations with air. Vapors travel long
distances and will flashback. Use mechanical ventilation when necessary to
keep percent vapor below the "Lower Explosion Level" (LEL). Eliminate all
PRODUCT: NEOPRENE P1 ADHESIVE
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ignition sources. Keep away from sparks, open flames and heat sources. All
electric equipment and installations should be made and grounded in
accordance with the National Electrical Code. In areas where explosion
hazards exist, workers should be required to use nonferrous tools and to wear
conductive and non-sparking shoes.
SPECIAL FIRE FIGHTING PROCEDURES: Evacuate hazard area of unprotected
personnel. Use a NIOSH approved self-contained breathing unit and complete
body protection. Cool surrounding containers with water in case of fire
exposure.

SECTION V - HEALTH HAZARD DATA:

INHALATION: Harmful if inhaled, may affect the brain or nervous system,
causing dizziness, headache or nausea. May cause nose and throat irritation.
CONTACT: May cause eye irritation. May cause skin irritation.
NOTICE: Reports have associated repeated and prolonged occupational
overexposure to solvents with permanent brain and nervous system damage.
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: If you have a condition
that could be aggravated by exposure to dust or organic vapors see a
physician prior to use.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, Dermal, Ingestion.

EMERGENCY FIRST AID PROCEDURES: When exposed always get medical attention.

EYE CONTACT: Flush with water for 15 minutes.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and
clean before reuse.

INHALATION: Remove to fresh air. Provide oxygen if breathing is difficult.
Use artificial respiration if not breathing. Get medical attention.

IF SWALLOWED: DO NOT INDUCE VOMITING!! Always get medical attention.

SECTION VI - REACTIVITY DATA:

STABILITY: This product is stable under normal storage conditions.

HAZARDOUS POLYMORIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, nitrogen oxides, and
unidentified organic compounds. Consider all smoke and fumes from burning
material as very hazardous. Welding, cutting or abrasive grinding can create
smoke and fumes. Do not breathe any fumes or smoke from these operations.

CONDITIONS TO AVOID: Heat, sparks, and open flames.

INCOMPATIBILITY: Avoid contact with strong oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE OF SPILL: Eliminate all ignition sources.
Handling equipment must be grounded to prevent sparking. Evacuate the area
of unprotected personnel. Wear appropriate personal protection clothing and
equipment. Follow safe handling and use guidelines in Section VIII. Contain
and soak up residual with an absorbent (clay or sand). Take up absorbent
material and seal tightly for proper disposal. Dispose of in accordance with
local, state and federal regulations. Refer to Section II for Sara Title III
and CERCLA information.

SECTION VIII - SAFE HANDLING AND USE INFORMATION:

RESPIRATORY PROTECTION: Use only with ventilation to keep levels below exposure guidelines. (Section II). User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use MSHA/NIOSH approved supplied air respirator. Follow all current OSHA requirements for respirator use.

VENTILATION: Use explosion-proof ventilation when required to keep below health exposure guidelines and Lower Explosion Limit (LEL).

SKIN AND EYE PROTECTION: Recommend impervious gloves, clothing and safety glasses with side shields or chemical goggles to avoid skin and eye contact. If material penetrates to skin, change gloves and clothing. Hypersensitive persons should wear gloves or use protective cream.

HYGIENIC PRACTICES: Wash with soap and water before eating, drinking, applying cosmetics, or using toilet facilities. Use of a hand cleaner is recommended. Launder contaminated clothing before reuse. Leather shoes can absorb and pass through hazardous materials. Check shoes carefully after soaking before reuse.

APPLICATION: Use only in accordance with Carboline application instructions, container label and Product Data Sheet.

SECTION IX - SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from heat, sparks, open flame, and strong oxidizing agents. Keep containers closed. Store in cool, dry place with adequate ventilation. If pouring or transferring materials, ground all containers and tools.

OTHER PRECAUTIONS: Do not weld, heat, cut or drill on full or empty containers.

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Carboline Company 350 Hanley Ind. Ct. St. Louis, MO 63144
PHONE NO. 314-844-1000 FOR INDUSTRIAL USE ONLY
Specific State Regulatory Information

New Jersey
Pennsylvania
Non-Hazardous Materials above 1 Percent:
Name       CAS       Pct
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Fluorohydrin   NE       30%

California

Warning: This product contains a chemical(s) known to the State of California to cause cancer, and birth defects or other reproductive harm.