**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Trade name:** COMPOSITE SHIELD

**Code of the preparation:** CPSIS

**Composer:** Zyvax

**Use of the preparation:** For release of polyester, epoxy, phenol, vinyl ester, elastomers, rubbers from mold(s).

Manufacturer, importer, other undertaking contact information:

Zyvax
Zyvax

Box 1825 Aptdo.: 12333
Box 3387

Zyvax

**2 HAZARDS IDENTIFICATION**

Health Hazards: Irritating to respiratory system. Vapours may cause drowsiness and dizziness. May cause respiratory irritation. Repeated exposure may cause skin dryness or cracking. Hunting: may cause lung damage if swallowed. Possibility of organ or system damage from prolonged exposure; see Section 11 for details. Target organ(s): Auditory system effects may include temporary hearing impairment. Flam-mable. Flammable in use, may form flammable explosive/vapour-air mixture. Environmental Hazards: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Source</th>
<th>Type</th>
<th>ppm/m</th>
<th>mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low boiling point heptane treated naphtha</td>
<td>ACQ/GH</td>
<td>TWA</td>
<td>400 ppm</td>
<td>2000 mg/m³</td>
</tr>
<tr>
<td>Solubility in water: negligible</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**4 FIRST AID MEASURES**

Inhalation: Move away from source of exposure and into fresh air. If symptoms persist, seek medical attention. Exposure: Remove contaminated clothing and immediately flush skin with large amount of water for 15 minutes, and follow by washing affected areas thoroughly with mild soap and water. Seek medical attention. Contact: If swallowed, rinse mouth out with plenty of water and seek medical attention. Contact: If in the eyes, rinse with plenty of water for 15 minutes and keep eyelids apart. If symptoms persist, seek medical attention. Ingestion: If symptoms persist, seek medical attention. Inhalation: Move away from source of exposure and into fresh air. If is absorbed, seek medical attention.

**5 FIRE-FIGHTING MEASURES**

Suitable extinguishing media: Use dry chemical, carbon dioxide (CO₂), alcohol-resistant foam, water spray or fog. Extinguishing media which must not be used for safety reasons: Water jet or stream will cause fire to spread. Special exposure hazards in a fire: Vapours are heavier than air and may travel across the ground and reach sources of ignition causing a flashback fire. Containers exposed to the direct flames may become uncoated. Vapours resulting from fire fighting gear can be hazardous. Water is not a suitable extinguishing agent. Containers may be emptied due to the high pressure of the product. Co₂ and dry chemical extinguishing agents are not suitable for fire fighting.

**6 ACCIDENTAL RELEASE MEASURES**

Personal precautions: Isolate hazard area and deny entry to unnecessary or unprotected personnel. Stay upwind and keep out of low areas. Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area such as non-exposure-proof equipment, smoking, pilot lights. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Spills on pavement may be slippery. Any person responding to a spill should wear appropriate protective personal equipment: depending upon the size of release, use of nationa lly approved tight fitting protective clothing, chemical protection, appropriate protective gloves, suitable chemical protection.

**7 HANDLING AND STORAGE**

Handling: Avoid breathing vapours or skin contact with the material. Only use in well ventilated areas. Use the information from this SDS for a risk assessment of local conditions to determine controls for safe handling and storage. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding large containers. Do not use compressed air for discharging. Empty containers may contain explosive vapours. Eliminate all sources of ignition. Do not grind or cut on drum. Do not puncture or cut drums. Do not drop drums. Do not cut, grind or drill on container. Keep containers sealed when not in use. Follow all local and national regulations and guidelines relating to the care of waste work area. Store containers in a cool, dry and well-ventilated place away from sunlight, sources of ignition and any flammables. Isolate with large containers of water. Water, injuries, smoke intoxication and unconsciousness due to lack of oxygen are possible. Hazardous combustion products: carbon dioxide, carbon monoxide, various hydrocarbons. Special protective equipment for fire fighters: Self-contained breathing apparatus should be used in confined areas of fire smoke. Use full fire fighting turnout gear. Wear chemical resistant footwear. Other instructions: Clear area of all non-emergency personnel. Isolate wanted, seal leaking containers, move containers away from fire and cool heated containers with water spray.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure limits: Workplace exposure limits (control parameters): US: Canada

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

General information (physical state, colour and odour): Thin, colourless liquid with strong, characteristic petroleum odour. boil point: boiling range: 155-160°C. Lower and upper explosive limit: 1-7%. Flash Point: (TCC): 42°C

**10 TOXICOLOGICAL INFORMATION**

Health effects:

- **Acute effects:** Kidney: caused kidney effects in male rats
- **Reproductive effects:** Kidney: caused kidney effects in male rats
- **Sensitization:** May cause sensitization reactions in some individuals
- **Carcinogenicity:** Not classiﬁed as carcinogenic by IARC, NTP, US EPA
- **Other effects:** May cause long-term adverse effects in the aquatic environment.

**11 ECOLOGICAL INFORMATION**

Toxicity/mobility:


**12 REGULATORY INFORMATION**

EU Symbols: Xn Harmful. N. Dangerous for the environment EC Risk Phrases: R10 Flammable. R37 Irritating to respiratory system. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. May cause respiratory irritation. R51 Toxic to aquatic life and may cause long term adverse effects in the aquatic environment. EC Safety Phrases: S23 Do not breathe vapour. S24 Avoid contact with skin. S61 Avoid prolonged or repeated skin contact. S62 Do not swallow. S63 Avoid contact with clothing. S65 Avoid breathing fumes. S67 Wash after handling. S74 Use respiratory protection if exposure limits are exceeded. S75 Use protective gloves. S81 Use protective goggles. S85 Use protective clothing. S86 Use personal hygiene facilities. S87 Use safety showers and eye/face wash equipment if necessary. S88 Use breathing apparatus if concentration of harmful substances is likely to be above the exposure limit. S89 Wear suitable protective clothing and safety equipment. S90 Do not breathe fumes. S91 Do not get in eyes, on skin, or on clothing. S92 Do not handle until fully dried. S93 Do not use compressed air for discharging. S94 Do not cut, grind or drill on container. S95 Do not puncture or cut drums. S96 Follow all local and national regulations and guidelines relating to the care of waste work area.

**13 TRANSPORT INFORMATION**

Not regulated by the United States Department of Transportation in packages of less than 119 G.

**14 DANGEROUS GOODS LABELING**

**15 ADDITIONAL INFORMATION**

Date: January 2009

1.1 Reason for version update: New document format. Previous version date: December 2007. Disclaimer of expressed and implied warranties. The information in this safety data sheet has been believed to be correct and is not warranted to be accurate for any particular purpose, or any other warranty is expressed, or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the products and services related to its use. Any liability for any particular result or product are not warranted under conditions the person receiving them shall make his own determination as to the suitability of the product for his particular purpose, and on the condition that he assumes the risk of any injury or damage.