Safety data sheet

BASF Construction Chemicals Safety data sheet according to 91/155/EEC
Date / Revised: 2007/12/15
Product: SONOLAC CUSTOM

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

SONOLAC CUSTOM

Company:
BASF Construction Chemicals
100 Campus Drive
Florham Park, NJ 07932

Emergency information:
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No.</th>
<th>TLV</th>
<th>STEL</th>
<th>PEL</th>
<th>CEIL</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>STODDARD SOLVENT</td>
<td>8052-41-3</td>
<td>100 ppm</td>
<td>N.E.</td>
<td>500 ppm</td>
<td>N.E.</td>
<td>1.00 - 5.00 %</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>107-21-1</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>100 mg/m3</td>
<td>0.50 - 1.50 %</td>
</tr>
<tr>
<td>BUTYL BENZYL PHTHALATE</td>
<td>85-68-7</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>3.00 - 7.00 %</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>HMIS® Rating</th>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Class</td>
<td>D2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary Routes of Entry</td>
<td>Inhalation</td>
<td>Skin contact</td>
<td>Ingestion</td>
</tr>
</tbody>
</table>

Effects of Overexposure
Inhalation: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Inhalation of high vapor concentrations can cause CNS-depression and narcosis. Prolonged inhalation can be harmful.

Skin: Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated exposure can cause skin irritation and redness.

Eyes: Can cause slight irritation.

Ingestion: Can cause slight irritation.

Chronic exposure: This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") can be harmful or fatal.

**Carcinogenicity**

<table>
<thead>
<tr>
<th></th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>STODDARD SOLVENT</td>
<td>N.E.</td>
<td>No data.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>Not classifiable as a human carcinogen.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>BUTYL BENZYL PHTHALATE</td>
<td>N.E.</td>
<td>Limited data.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Eye contact**: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

**Skin contact**: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

**Ingestion**: Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.

**Inhalation**: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

### 5. FIRE-FIGHTING MEASURES

**Flash point**: Not combustible.

**Autoignition temperature**: Not combustible.

**Lower explosion limit**: not applicable

**Upper explosion limit**: not applicable

**Suitable extinguishing media**: Not combustible. Use extinguishing agent suitable for type of surrounding fire.

**Fire and Explosion Hazards**: Containers can build up pressure if exposed to heat (fire). Cool closed containers
exposed to fire with water spray.

Special Fire-fighting Procedures: As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up: Wear appropriate protective equipment (refer to section 8). Take action to eliminate source of leak; prevent from entry into open streams or sewers; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

7. HANDLING AND STORAGE

Handling: Use only in area provided with appropriate ventilation. Keep out of reach of children. For personal protection see section 8.

Storage: Store in cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection: Wear as appropriate:
- safety glasses with side-shields
- goggles

Hand protection: Wear as appropriate:
- face-shield

Body Protection: Wear as appropriate:
- impervious clothing
- preventive skin protection

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.

Hygienic Practices: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls: Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: various colors

Physical State: paste

Odor: sweet
pH : 8 - 10
Odor Threshold : no data available
Vapor Pressure : 25 mm/Hg at 64 °F (18 °C)
Vapor Density : Heavier than air
Boiling point/range : 210.00 - 215.01 °F (98.89 - 101.67 °C)
Freeze Point : 32 °F (0 °C)
Water solubility : partly miscible
Specific Gravity : 1.2
Viscosity : no data available
Evaporation rate : Slower than Butyl acetate
Partition coefficient (n-octanol/water) : no data available
VOC Concentration as applied (less water and exempt solvents) : 41 g/l

10. STABILITY AND REACTIVITY

Stability : Stable under recommended storage conditions.
Conditions to avoid : Prolonged exposure to high temperatures
Materials to avoid : strong acids
                      strong bases
Hazardous decomposition products : Oxides of carbon
                                      nitrogen oxides (NOx)
Hazardous polymerization : Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Acute inhalation toxicity</th>
<th>Type</th>
<th>Value</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Component</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

STODDARD SOLVENT
ETHYLENE GLYCOL
### Acute oral toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 (Oral)</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>STODDARD SOLVENT</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>4,700 mg/kg rat</td>
<td></td>
</tr>
<tr>
<td>BUTYL BENZYL PHTHALATE</td>
<td>no data available</td>
<td></td>
</tr>
</tbody>
</table>

### Acute dermal toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 (Dermal)</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>STODDARD SOLVENT</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>BUTYL BENZYL PHTHALATE</td>
<td>no data available</td>
<td></td>
</tr>
</tbody>
</table>

### 12. ECOLOGICAL INFORMATION

Ecotoxicological Information : There is no data available for this product.

### 13. DISPOSAL CONSIDERATIONS

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

### 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT</th>
<th>Proper shipping name</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>IATA</td>
<td>Proper shipping name</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

### 15. REGULATORY INFORMATION

**SARA 311/312 (RTK)**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD  DELAYED (CHRONIC) HEALTH HAZARD
SARA 313
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<table>
<thead>
<tr>
<th>Weight %</th>
<th>CAS No.</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50 - 1.50 %</td>
<td>107-21-1</td>
<td>ETHYLENE GLYCOL</td>
</tr>
</tbody>
</table>

CERCLA
CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

<table>
<thead>
<tr>
<th>RQ</th>
<th>CAS No.</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,000 lbs</td>
<td>107-21-1</td>
<td>ETHYLENE GLYCOL</td>
</tr>
<tr>
<td>100 lbs</td>
<td>85-68-7</td>
<td>BUTYL BENZYL PHTHALATE</td>
</tr>
</tbody>
</table>

TSCA Section 12(b) Export Notification
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are no TSCA 12(b) Chemicals in this product.

California Proposition 65
The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are no Proposition 65 chemicals known to exist in this product.

16. OTHER INFORMATION

Legend:
- N.E. - Not Established
- TLV - Threshold Limit Value
- STEL - Short Term Exposure Limit
- PEL - Permissible Exposure Limit
- CEIL - Ceiling

Prepared By: Environment, Health and Safety Department

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.