1. Identification

1.1. Product identifier
Alternate Names: Plastic - Sealant/Sau-Sea Liquid Plastic

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use: See Technical Data Sheet.
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name: Sau-Sea Swimming Pool Products, Inc.
1855 Highway 206 South
Southampton, New Jersey 08088

Emergency
CHEMTREC (USA) (800) 424-9300
Customer Service: Sau-Sea Swimming Pool Products, Inc. Tel: +1 609-859-8500

2. Hazard(s) identification

2.1. Classification of the substance or mixture
Flam. Liq. 3;H226 Flammable liquid and vapor.
Skin Irrit. 2;H315 Causes skin irritation.
Eye Irrit. 2;H319 Causes serious eye irritation.
Repr. 1B;H360FD May damage fertility. May damage the unborn child.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.
Danger

H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H360FD* May damage fertility. May damage the unborn child.

[Prevention]:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235 Keep cool.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.

[Response]:
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P308+313 IF exposed or concerned: Get medical advice / attention.
P321 Specific treatment (see information on this label).
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:
P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.

[Disposal]:

Page 2 of 12
3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>75 - 100</td>
<td>Not Classified</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0013463-67-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHLORINATED RUBBER</td>
<td>25 - 50</td>
<td>Not Classified</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0009006-03-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>10 - 25</td>
<td>Flam. Liq. 3;H226</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0001330-20-7</td>
<td></td>
<td>Acute Tox. 4;H332</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute Tox. 4;H312</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Irrit. 2;H315</td>
<td></td>
</tr>
<tr>
<td>Di(2-ethylhexyl)phthalate</td>
<td>5 - 10</td>
<td>Repr. 1B;H360FD</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0000117-81-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

**General**
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**
Remove contaminated clothing/shoes. Flush skin with water. Follow by washing skin with soap and water. If irritation occurs, get medical attention. Air-dry contaminated clothing in well-ventilated area, then, launder separately before reusing.

**Ingestion**
DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to
prevent aspiration of liquid into lungs. Get medical attention immediately.
Note to Physician: If more than 2.0 ml/kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victim’s head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotrachael tube should be considered.

4.2. Most important symptoms and effects, both acute and delayed
Overview
1. Acute (Immediate) Overexposure: Can lead to central nervous system depression, producing such effects as giddiness, headache, nausea. In extreme cases, unconsciousness and death may occur.
2. Chronic (Delayed) Overexposure: Irritation to eyes, nose, and throat. Prolonged and repeated liquid contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis.

Signs and Symptoms of Exposure: Irritation as noted above. Aspiration pneumonitis may be evidenced by coughing. Labored breathing and cyanosis (bluish skin).
Medical Conditions Aggravated by Exposure: Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to this product.
Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

| Eyes         | Causes serious eye irritation. |
| Skin        | Causes skin irritation.       |

5. Fire-fighting measures

5.1. Extinguishing media
Foam, Dry Chemical, Water Fog or CO2. Do not use a direct stream of water.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: Carbon monoxide and unidentified organic compounds may be formed during combustion. Keep away from heat / sparks / open flames / hot surfaces - No smoking.
Keep cool.
Ground / bond container and receiving equipment.
Use explosion-proof electrical / ventilating / light / equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

5.3. Advice for fire-fighters

Containers exposed to intense heat should be cooled with water to prevent explosive container rupture. Vapors form flammable/explosive mixtures in air. Vapors heavier than air and may travel to ignition source (thru severs, piping, etc.) and may flash ignite. Storage areas exposed to fire should be cooled to prevent container rupture.

WARNING! FLAMMABLE! Evacuate hazard area of unprotected personnel. Wear protective clothing, including a positive pressure, NIOSH-approved, self-contained breathing apparatus. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves, and rubber boots). Cool fire-exposed containers with water.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

WARNING! LIQUID AND VAPOR FLAMMABLE! Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking.

Large Spills: Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress. Contain runoff. Soak up residue with absorbent such as clay, sand, or other suitable material. Place in non-leaking containers for proper disposal. Flush area to remove trace residue. Dispose of flush solutions as above.

Small Spills: Take up with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal.

7. Handling and storage

7.1. Precautions for safe handling

WARNING! FLAMMABLE LIQUID! KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. Keep containers closed and store upright to prevent leakage. Do not weld, heat, or drill on or near containers. Store away from strong oxidizing agents in a cool, dry, well ventilated place. Do not transfer to glass, plastic, or unlabeled containers.

Other Precautions: Do not use in any area without adequate ventilation. Dangerously high concentrations of vapor could cause death from explosion or accumulate and travel to ignition sources distant from their handling site. Flash fire may result.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities
Handle containers carefully to prevent damage and spillage.
Incompatible materials: Strong Oxidizing Agents
See section 2 for further details.

7.3. Specific end use(s)
No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000117-81-7</td>
<td>Di(2-ethylhexyl)phthalate</td>
<td>OSHA</td>
<td>TWA 5 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 5 mg/m3 2B</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>Ca TWA 5 mg/m3 ST 10 mg/m</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0001330-20-7</td>
<td>Xylene</td>
<td>OSHA</td>
<td>STEL 150 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 100 ppm STEL: 150 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0009006-03-5</td>
<td>CHLORINATED RUBBER</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0013463-67-7</td>
<td>Titanium dioxide</td>
<td>OSHA</td>
<td>TWA 15 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 10 mg/m3 2B, Revised 2006,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>Footnote ca</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000117-81-7</td>
<td>Di(2-ethylhexyl)phthalate</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0001330-20-7</td>
<td>Xylene</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;</td>
</tr>
<tr>
<td>0009006-03-5</td>
<td>CHLORINATED RUBBER</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

**Respiratory**
Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits (Section 2), use a NIOSH approved respirator to prevent overexposure. In accord with 29CFR 1910.134 use either a full-face, atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

**Eyes**
Wear splash-proof chemical goggles.

**Skin**
Wear clean protective clothing and footwear to prevent skin contact. Use explosion-proof ventilation, as required, to control vapor concentrations. Rubber, vinyl, or polyethylene gloves are required.

**Engineering Controls**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices**
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White or colored Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Hydrocarbon</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>N/A</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>281-282 degrees Fahrenheit</td>
</tr>
<tr>
<td>Flash Point</td>
<td>82 degrees Fahrenheit (TCC)</td>
</tr>
<tr>
<td>Evaporation rate (Ether = 1)</td>
<td>Slower Than n-Butyl Acetate</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td><strong>Lower Explosive Limit</strong>: .3% by Volume</td>
</tr>
<tr>
<td></td>
<td><strong>Upper Explosive Limit</strong>: 8.0 % by Volume</td>
</tr>
<tr>
<td>Vapor pressure (Pa)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier Than Air</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.31</td>
</tr>
</tbody>
</table>

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Solubility in Water: Insoluble
Partition coefficient n-octanol/water (Log Kow): Not Measured
Auto-ignition temperature: Not Measured
Decomposition temperature: Not Measured
Viscosity (cSt): Not Measured
Percent Volatile (by volume): 21.95%
Reacts with water (Soluble in most organic solvents.): Non-Reactive in Water

9.2. Other information
No other relevant information.

10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Heat, sparks, flame and contact with non-explosion-proof electrical equipment.

10.5. Incompatible materials
Strong Oxidizing Agents

10.6. Hazardous decomposition products
Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. Toxicological information

Acute toxicity
Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.
Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
--- | --- | --- | --- | --- | --- |
Titanium dioxide - (13463-67-7) | 10,000.00, Rat - Category: NA | 10,000.00, Rabbit - Category: NA | No data available | 6.82, Rat - Category: NA | No data available |
CHLORINATED RUBBER - (9006-03-5) | No data available | No data available | No data available | No data available | No data available |
Xylene - (1330-20-7) | 4,299.00, Rat - Category: 5 | 1,548.00, Rabbit - Category: 4 | No data available | 20.00, Rat - Category: NA | 5,000.00, Rat - Category: 4 |
Di(2-ethylhexyl)phthalate - (117-81-7) | 30,000.00, Rat - Category: NA | 25,000.00, Rabbit - Category: NA | 10.62, Rat - Category: 4 | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

12. Ecological information

12.1. Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity
12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>UN1993</td>
<td>UN1993</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>UN1993, Flammable liquids, n.o.s., ((Xylene)), 3, III</td>
<td>Flammable liquids, n.o.s., (Xylene)</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>DOT Hazard Class: 3</td>
<td>IMDG: 3</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>III</td>
<td>Sub Class: Not Applicable</td>
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<tr>
<td></td>
<td></td>
<td>Air Class: 3</td>
</tr>
</tbody>
</table>
14.5. Environmental hazards
IMDG Marine Pollutant: No;

14.6. Special precautions for user
No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification B2  D2A

US EPA Tier II Hazards
Fire: Yes
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):
Di(2-ethylhexyl)phthalate (100.00)
Xylene (100.00)

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
Di(2-ethylhexyl)phthalate
Xylene

Proposition 65 - Carcinogens (>0.0%):
Di(2-ethylhexyl)phthalate
Titanium dioxide

Proposition 65 - Developmental Toxins (>0.0%):
Di(2-ethylhexyl)phthalate

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
Di(2-ethylhexyl)phthalate

New Jersey RTK Substances (>1%):
Di(2-ethylhexyl)phthalate
Titanium dioxide
Xylene

Pennsylvania RTK Substances (>1%):
Di(2-ethylhexyl)phthalate
Titanium dioxide
Xylene

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:
H226 Flammable liquid and vapor.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H360FD May damage fertility. Suspected of damaging the unborn child.

The information contained herein is furnished without warranty of any kind. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

End of Document