Material Safety Data Sheet

Date Originated: 09/06/2009

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HCS Risk Phrases</th>
<th>Protective Clothing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>HCS CLASS: Toxic. HCS CLASS: Severely irritating substance. HCS CLASS: Target organ effects. HCS CLASS: Flammable liquid having a flash point lower than 37.8°C (100°F).</td>
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</tbody>
</table>

Section 1. Chemical Product and Company Identification

Product Name
Polyflex WP102A Rapid-Thane H.G. White

Synonym
WP102A.7H

Chemical Family
Not applicable.

Manufacturer
SUPPLIER:
Wasser Corporation
4118 B PL NW, Suite B
Auburn, WA 98001, US
Phone# 253-850-2967

In case of Emergency
EMERGENCY PHONE NUMBERS:
USA and Canada: 1-800 424-9300
International: 1-703 527-3887

Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>% by Weight</th>
<th>TLV/PEL</th>
<th>LC50/LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspartic acid Ester</td>
<td>136210-32-7</td>
<td>10-30</td>
<td>Not available.</td>
<td>ORAL (LD50): Acute: 2000 mg/kg [Rat]. DERMAL (LD50): Acute: 2000 mg/kg [Rat].</td>
</tr>
<tr>
<td>Titanium oxide</td>
<td>13463-67-7</td>
<td>10-30</td>
<td>TWA: 10 (mg/m^3) from ACGIH INHALATION</td>
<td>ORAL (LD50): Acute: 24000 mg/kg [Rat]. DERMAL (LD50): Acute: 10000 mg/kg [Rabbit].</td>
</tr>
<tr>
<td>Aspartic Ester</td>
<td>Not available</td>
<td>5-10</td>
<td>Not available.</td>
<td>ORAL (LD50): Acute: 2000 mg/kg [Rat].</td>
</tr>
<tr>
<td>Tert Butyl Acetate</td>
<td>540-88-5</td>
<td>5-10</td>
<td>TWA: 200 (ppm) from ACGIH (TLV) TWA: 200 (ppm) from OSHA</td>
<td>ORAL (LD50): Acute: 4100 mg/kg [Rat]. DERMAL (LD50): Acute: 2000 mg/kg [Rabbit].</td>
</tr>
<tr>
<td>Di(2-ethylhexyl) phthalate</td>
<td>117-81-7</td>
<td>1-5</td>
<td>Not available.</td>
<td>ORAL (LD50): Acute: 4150 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].</td>
</tr>
<tr>
<td>Cyclohexanemethanamine, 1,3,3-trimethyl-N-(2-methylpropylidene-5-(2-methylpropylidene) amino)-</td>
<td>54914-37-3</td>
<td>1-5</td>
<td>Not available.</td>
<td>ORAL (LD50): Acute: 12600 mg/kg [Rabbit]. VAPOR (LC50): Acute: 3000 ppm 4 hour(s) [Rat]. DERMAL (LD50): Acute: 2700 mg/kg [Rabbit]. VAPOR (LC50): Acute: 4479 ppm 4 hour(s) [Rat].</td>
</tr>
<tr>
<td>Methyl n-amyl ketone</td>
<td>110-43-0</td>
<td>1-5</td>
<td>TWA: 50 (ppm) from ACGIH (TLV), TWA: 100 (ppm) from OSHA (PEL)</td>
<td>DERMAL (LD50): Acute: 3000 ppm 4 hour(s) [Rat].</td>
</tr>
<tr>
<td>Parachlorobenzotrifluoride</td>
<td>98-56-6</td>
<td>1-5</td>
<td>CEIL: 25 (ppm)</td>
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<tr>
<td>Xylenes</td>
<td>1330-20-7</td>
<td>0-1</td>
<td>TWA: 100 STEL: 150 (ppm) from OSHA (PEL)</td>
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</tbody>
</table>

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Section 3. Hazards Identification

Routes of Entry: Inhalation. Skin contact (absorption). Eye contact. Ingestion.

Potential Acute Health Effects

**Eyes:** Liquid or spray mist may severely irritate eyes. Inflammation of the eye is characterized by burning, redness, watering, and itching.

**Skin:** This product may severely irritate skin upon contact. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Ingestion:** Harmful if swallowed. Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion of this product. Even small amounts of liquid aspirated into the lungs during ingestion or vomiting may cause pulmonary injury and possibly death.

**Inhalation:** Harmful if inhaled (irritant). Over-exposure by inhalation of the vapors/spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Exposure can cause nausea, headaches and vomiting. Massive exposure can cause unconsciousness and death.

Potential Chronic Health Effects

**Eyes:** Repeated or prolonged contact with spray mist may produce chronic eye irritation.

**Skin:** Repeated skin exposure can produce local skin destruction, or dermatitis.

**Ingestion:** May be fatal if swallowed.

**Inhalation:** Repeated or prolonged inhalation of vapors/spray mist may lead to chronic respiratory irritation.

Other chronic effects on Humans

The substance is toxic to mucous membranes, upper respiratory tract, lungs, blood, kidney, liver. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed.

Section 4. First Aid Measures

**Eye Contact**

Check for and remove any contact lenses. DO NOT use an eye ointment. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.

**Skin Contact**

Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Rinse with plenty of running water (15-30 minutes). If irritation persists, seek medical attention.

**Hazardous Skin Contact**

If the chemical gets onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the person under shower. Wash gently and thoroughly the contaminated skin with running water and non abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Rinse with plenty of running water (15 to 30 minutes). Seek medical attention.

**Inhalation**

Allow the person to rest in a well ventilated area. If symptoms persist, seek medical advice immediately (show the label when possible).

**Hazardous Inhalation**

Evacuate the person to a safe area as soon as possible. Loosen tight clothing around the person's neck and waist. If the person is not breathing, administer mouth-to-mouth resuscitation. Warning: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation if the inhaled material is toxic, infectious or corrosive. Seek medical attention.

**Ingestion**

DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

**Hazardous Ingestion**

DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Loosen tight clothing such as a collar, tie, belt or waistband. Never give an unconscious person anything to ingest. Even small amounts of liquid aspirated into lungs during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. If breathing is difficult, administer oxygen. If the person is not breathing, administer mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the material is toxic, infectious or corrosive. Avoid mouth-to-mouth contact by using mouth guards or shields. Seek immediate medical attention.
Flammability of the Product | Flammable.
---|---
Auto-Ignition Temperature | The lowest known value is 240°C (464°F) (Cyclohexan emethanamine, 1,3,3-trimethyl-N-(2-methylpropyldine-5-(2-methylpropyldene) amino)-).
Flash Points | The lowest known value is CLOSED CUP: 4.4°C (39.9°F ). (Tert Butyl Acetate)
Flammable Limits | The greatest known range is LOWER: 0.9% UPPER: 10.5% (Parachlorobenzotrifluoride)
Products of Combustion | Carbon oxides (CO, CO2), and other unidentified, possibly toxic compounds.

Fire Hazards in Presence of Various Substances | Flammable in presence of open flames and sparks.

Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: YES.

Fire Fighting Media and Instructions | SMALL FIRE: Use DRY chemicals, CO2, water spray or foam.
LARGE FIRE: Use water spray or fog. Never direct a water jet in the container in order to prevent any splashing of the product which could cause spreading of the fire. Cool the containers with water spray or fog in order to prevent pressure build-up, autoignition or explosion. Firefighters should be equipped with self-contained breathing apparatus to protect against toxic and irritating fumes. During a fire, irritating, toxic gases may be generated by thermal decomposition or combustion.

Special Remarks on Fire Hazards | Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits toxic fumes.
Special Remarks on Explosion Hazards | Container explosion may occur under fire conditions or when heated (due to pressure build-up). Vapor forms explosive mixture with air between upper and lower flammable limits.

### Flammability

<table>
<thead>
<tr>
<th>Health</th>
<th>Reactivity</th>
<th>Special Hazard</th>
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<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>COR</td>
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### Section 6. Accidental Release Measures

**Small Spill**
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Wear suitable protective clothing and proper respirator.

**Large Spill**
Poisonous, flammable liquid, insoluble or very slightly soluble in water. Ventilate. Eliminate all sources of ignition. Wear full protective equipment, including respiratory equipment during clean-up. Stop leak if without risk. DO NOT touch spilled material. Prevent entry into storm or sanitary sewers, lakes, rivers, streams or public waterways. Call for assistance on disposal.
Section 7. Handling and Storage

Precautions
Keep locked up and out of reach of children. Manipulate in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes. Contact lenses should not be worn when working with chemicals because they may contribute to the severity of an eye injury. Keep away from foodstuffs, drinks and tobacco. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Ensure that eyewash station and safety showers are proximal to the work-station location. In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible). Individuals with respiratory problems (asthma, chronic bronchitis), or allergic to solvents or epoxies, should avoid any contact with this product. Ground all equipment containing material (during handling, mixing and spraying).

Storage
Keep away from heat. Keep away from sources of ignition. Keep away from food, drink and animal feeding stuffs. Keep away from incompatibles. Keep container tightly closed and dry. Keep in a cool, well-ventilated place.

Section 8. Exposure Controls/Personal Protection

Engineering Controls
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety showers are proximal to the work-station location. Do air monitoring if possible.

Personal Protection
Splash goggles. Synthetic apron. Gloves (impervious). In case of insufficient ventilation, wear suitable respiratory equipment. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Personal Protection in Case of a Large Spill
Splash goggles. Gloves (impervious to chemicals). Full suit. Boots. Wear appropriate respirator when ventilation is inadequate.

Section 9. Physical and Chemical Properties

Physical state and appearance
Liquid.

Molecular Weight
Not applicable.

pH (1% soln/water)
Not applicable.

Boiling Point
The lowest known value is 139°C (282.2°F) (Parachlorobenzotrifluoride). Weighted average: 187.76°C (370°F)

Critical Temperature
Not available.

Specific Gravity
1.43 (Water = 1)

Vapor Pressure
The highest known value is 34 mm of Hg (@ 20°C) (Tert Butyl Acetate). Weighted average: 18.34 mm of Hg (@ 20°C)

Vapor Density
The highest known value is 16 (Air = 1) (Di(2-ethylhexyl) phthalate). Weighted average: 10.54 (Air = 1)

Evaporation rate
0.4 (Methyl n-amyl ketone). compared to Butyl acetate = 1

Dispersion Properties
Is not dispersed in water.

Solubility
Insoluble in water.

Section 10. Stability and Reactivity Data

Stability
The product is stable.

Instability Temperature
Not available.

Conditions of Instability
No additional remarks.

Incompatibility with various substances
Reactive with oxidizing agents.

Corrosivity
Not considered to be corrosive for glass and metals according to our data base.

Special Remarks on Reactivity
No additional remarks.
Section 11. Toxicological Information

Routes of Entry
Inhalation. Skin contact (absorption). Eye contact. Ingestion.

Toxicity to Animals
See: Section II

Chronic Effects on Humans
The substance is toxic to mucous membranes, upper respiratory tract, lungs, blood, kidney, liver. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed.

Other Toxic Effects on Humans
Dangerous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals
Embryofetotoxic in animal studies (Xylene). Testicular damage in animal. An experimental teratogen (Di(2-ethylhexyl) phthalate). IARC Group 2B carcinogen - possibly carcinogenic to humans (Titanium dioxide).

Special Remarks on Chronic Effects on Humans
Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage, and other systemic effects. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Special Remarks on other Toxic Effects on Humans
Exposure can cause nausea, headache and vomiting. Moderately toxic and narcotic in high concentrations.

Section 12. Ecological Information

Ecotoxicity
Not available.

BOD5 and COD
Not available.

Products of Biodegradation
Not available.

Toxicity of the Products of Biodegradation
Not available.

Special Remarks on the Products of Biodegradation
No additional remarks.

Section 13. Disposal Considerations

Waste Disposal
In accordance with municipal, provincial and federal regulations. Consult your local or regional authorities. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.

Section 14. Transport Information

DOT Classification
DOT CLASS 3: Flammable liquid PG: II

DOT Identification number
UN1263: Paint

Special Provisions for Transport
No additional remark.
Section 15. Other Regulatory Information and Pictograms

Other Regulations
TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA Inventory. OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications
WHMIS (Canada)

DSCL (EEC)

Hazardous Material Information System (U.S.A.)

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<thead>
<tr>
<th>Health Hazard</th>
<th>Fire Hazard</th>
<th>Reactivity</th>
<th>Personal Protection</th>
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<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>0</td>
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</tbody>
</table>

National Fire Protection Association (U.S.A.)

Health Hazard
Fire Hazard
Reactivity
Specific hazard

Protective Clothing (Pictograms)

Section 16. Other Information

References
Manufacturer’s MSDS, RTESC, NIOSH, CCOHS.

Other Special Considerations
Individuals with respiratory problems (asthma, chronic bronchitis) should avoid any contact with this product.

Printed 09/06/2009.

EMERGENCY PHONE NUMBERS:
USA and Canada: 1-800 424-9300
International: 1-703 527-3887

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