# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **PDR 9000 SLOW**

**Other means of identification**

**SKU#** 103130

**Recommended use** Not available.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** ITW Performance Polymers

**Address** 35 Brownridge Rd
Unit 1
Halton Hills, ON L7G 0C6

**Contact person** Customer Service

**Telephone number** 978-777-1100

**Fax**

**E-mail**

**Emergency telephone number** 800-424-9300

**Supplier** Not available.

## 2. Hazard identification

| | | |
|---|---|---|
| **Physical hazards** | Flammable liquids | Category 3 |
| **Health hazards** | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Germ cell mutagenicity | Category 1B |
| | Carcinogenicity | Category 1 |
| | Reproductive toxicity | Category 2 |
| | Specific target organ toxicity following repeated exposure | Category 1 |
| | Aspiration hazard | Category 1 |

**Environmental hazards** Not classified.

**Label elements**

**Signal word** Danger

**Hazard statement** Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe mist/vapours. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

| | |
|---|---|
| **Response** | IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. |
| **Storage** | Store in a well-ventilated place. Keep cool. Store locked up. |
| **Disposal** | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Other hazards** | None known. |
| **Supplemental information** | None. |

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Polyester resin | | N/A | 15 - 40 |
| Styrene | | 100-42-5 | 15 - 40 |
| Silica, amorphous, fumed | | 112926-00-8 | 5 - 10 |
| Silica, amorphous, fumed | Silica, amorphous, fumed, cryst.-free | 112945-52-5 | 1 - 5 |
| ALPHA-METHYLSTYRENE | | 98-83-9 | 0.5 - 1.5 |
| Titanium dioxide | Titanium dioxide | 13463-67-7 | 0.5 - 1.5 |
| SILICA, CRYSTALLINE, QUARTZ | | 14808-60-7 | 0.1 - 1 |
| Other components below reportable levels | | | 15 - 40 |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

| | |
|---|---|
| **Inhalation** | Move to fresh air. Call a physician if symptoms develop or persist. |
| **Skin contact** | Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| **Eye contact** | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| **Ingestion** | Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| **Most important symptoms/effects, acute and delayed** | Aspiration may cause pulmonary oedema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed. |
| **General information** | Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **Specific hazards arising from the chemical** | Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed. |

| | |
|---|---|
| **Special protective equipment and precautions for firefighters** | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **General fire hazards** | Flammable liquid and vapour. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| **Methods and materials for containment and cleaning up** | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. |
| **Environmental precautions** | Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.<br><br>For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code". |
| **Conditions for safe storage, including any incompatibilities** | Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). |

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | TWA | 10 ppm | |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable fraction. |
| STYRENE (CAS 100-42-5) | STEL | 40 ppm | |
| | TWA | 20 ppm | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | |

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

| Components | Type | Value | Form |
|---|---|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | STEL | 483 mg/m3 | |
| | | 100 ppm | |
| | TWA | 242 mg/m3 | |
| | | 50 ppm | |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable particles. |
| STYRENE (CAS 100-42-5) | STEL | 170 mg/m3 | |
| | | 40 ppm | |
| | TWA | 85 mg/m3 | |
| | | 20 ppm | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | |

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components | Type | Value | Form |
|---|---|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | TWA | 10 ppm | |
| SILICA, AMORPHOUS, FUMED (CAS 112926-00-8) | TWA | 4 mg/m3 | Total |
| | | 1.5 mg/m3 | Respirable. |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable fraction. |
| STYRENE (CAS 100-42-5) | STEL | 75 ppm | |
| | TWA | 50 ppm | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 3 mg/m3 | Respirable fraction. |
| | | 10 mg/m3 | Total dust. |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components | Type | Value | Form |
|---|---|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | TWA | 10 ppm | |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable fraction. |
| STYRENE (CAS 100-42-5) | STEL | 40 ppm | |
| | TWA | 20 ppm | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components | Type | Value | Form |
|---|---|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | TWA | 10 ppm | |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | TWA | 0.1 mg/m3 | Respirable fraction. |
| STYRENE (CAS 100-42-5) | STEL | 100 ppm | |
| | TWA | 35 ppm | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | |

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

| Components | Type | Value | Form |
|---|---|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | STEL | 483 mg/m3 | |
| | | 100 ppm | |
| | TWA | 242 mg/m3 | |
| | | 50 ppm | |
| SILICA, AMORPHOUS, FUMED (CAS 112926-00-8) | TWA | 6 mg/m3 | Respirable dust. |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | TWA | 0.1 mg/m3 | Respirable dust. |
| STYRENE (CAS 100-42-5) | STEL | 426 mg/m3 | |
| | | 100 ppm | |
| | TWA | 213 mg/m3 | |
| | | 50 ppm | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | Total dust. |

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

| Components | Type | Value | Form |
|---|---|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | 15 minute | 100 ppm | |
| | 8 hour | 50 ppm | |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | 8 hour | 0.05 mg/m3 | Respirable fraction. |
| STYRENE (CAS 100-42-5) | 15 minute | 40 ppm | |
| | 8 hour | 20 ppm | |
| Titanium dioxide (CAS 13463-67-7) | 15 minute | 20 mg/m3 | |
| | 8 hour | 10 mg/m3 | |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| STYRENE (CAS 100-42-5) | 40 µg/l | Styrene | Urine | * |
| | 400 mg/g | Mandelic acid plus phenylglyoxylic acid | Creatinine in urine | * |

* - For sampling details, please see the source document.

**Exposure guidelines**

**Canada - Quebec OELs: Skin designation**

Styrene (CAS 100-42-5) Can be absorbed through the skin.

| | |
|---|---|
| **Appropriate engineering controls** | Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Chemical respirator with organic vapour cartridge and full facepiece. |
| **Skin protection** | |
| **Hand protection** | Wear appropriate chemical resistant gloves. |
| **Other** | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. |
| **Respiratory protection** | Chemical respirator with organic vapour cartridge and full facepiece. |
| **Thermal hazards** | Wear appropriate thermal protective clothing, when necessary. |
| **General hygiene considerations** | Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | Viscous. Liquid. |
| **Physical state** | Liquid. |
| **Form** | Liquid. Viscous. |
| **Colour** | White. |
| **Odour** | Aromatic |
| **Odour threshold** | Not available. |
| **pH** | Not available. |
| **Melting point/freezing point** | -31 °C (-23.8 °F) estimated |
| **Initial boiling point and boiling range** | 145 °C (293 °F) estimated |
| **Flash point** | 32.0 °C (89.6 °F) estimated |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | 1.1 % estimated |
| **Flammability limit - upper (%)** | 6.1 % estimated |
| **Explosive limit - lower ( %)** | Not available. |
| **Explosive limit – upper (%)** | Not available. |
| **Vapour pressure** | 8.53 hPa estimated |
| **Vapour density** | Not available. |
| **Relative density** | Not available. |
| **Solubility(ies)** | |
| **Solubility (water)** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | 490 °C (914 °F) estimated |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |
| **Other information** | |
| **Density** | 1.54 g/cm3 estimated |
| **Explosive properties** | Not explosive. |
| **Flammability class** | Flammable IC estimated |

| | |
|---|---|
| **Oxidising properties** | Not oxidising. |
| **Specific gravity** | 1.54 estimated |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerisation does not occur. |
| **Conditions to avoid** | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| **Incompatible materials** | Strong acids. Strong oxidising agents. Aluminium. Peroxides. |
| **Hazardous decomposition products** | No hazardous decomposition products are known. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Prolonged inhalation may be harmful. |
| **Skin contact** | Causes skin irritation. |
| **Eye contact** | Causes serious eye irritation. |
| **Ingestion** | Knowledge about health hazard is incomplete. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Aspiration may cause pulmonary oedema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |

**Information on toxicological effects**

**Acute toxicity** May be fatal if swallowed and enters airways.

| Components | Species | Test Results |
|---|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | | |
| **Acute** | | |
| **Oral** | | |
| LD50 | Rat | 4900 mg/kg |
| Silica, amorphous, fumed (CAS 112926-00-8) | | |
| **Acute** | | |
| **Oral** | | |
| LD50 | Rat | > 22500 mg/kg |
| Silica, amorphous, fumed (CAS 112945-52-5) | | |
| **Acute** | | |
| **Oral** | | |
| LD50 | Rat | > 22500 mg/kg |
| Styrene (CAS 100-42-5) | | |
| **Acute** | | |
| **Oral** | | |
| LD50 | Rat | 1 g/kg |

| | |
|---|---|
| **Skin corrosion/irritation** | Causes skin irritation. |
| **Serious eye damage/eye irritation** | Causes serious eye irritation. |

**Respiratory or skin sensitisation**

**Canada - Alberta OELs: Irritant**

Titanium dioxide (CAS 13463-67-7) Irritant

| | |
|---|---|
| **Respiratory sensitisation** | Due to partial or complete lack of data the classification is not possible. |
| **Skin sensitisation** | Due to partial or complete lack of data the classification is not possible. |
| **Germ cell mutagenicity** | May cause genetic defects. |
| **Carcinogenicity** | May cause cancer. |

**ACGIH Carcinogens**

| | |
|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | A3 Confirmed animal carcinogen with unknown relevance to humans. |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | A2 Suspected human carcinogen. |
| Styrene (CAS 100-42-5) | A4 Not classifiable as a human carcinogen. |
| Titanium dioxide (CAS 13463-67-7) | A4 Not classifiable as a human carcinogen. |

**Canada - Alberta OELs: Carcinogen category**

| | |
|---|---|
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | Suspected human carcinogen. |

**Canada - Manitoba OELs: carcinogenicity**

| | |
|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | Confirmed animal carcinogen with unknown relevance to humans. |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | Suspected human carcinogen. |
| Styrene (CAS 100-42-5) | Not classifiable as a human carcinogen. |
| Titanium dioxide (CAS 13463-67-7) | Not classifiable as a human carcinogen. |

**Canada - Quebec OELs: Carcinogen category**

| | |
|---|---|
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | Suspected carcinogenic effect in humans. |
| Styrene (CAS 100-42-5) | Detected carcinogenic effect in animals. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| ALPHA-METHYLSTYRENE (CAS 98-83-9) | 2B Possibly carcinogenic to humans. |
| Silica, amorphous, fumed (CAS 112926-00-8) | 3 Not classifiable as to carcinogenicity to humans. |
| Silica, amorphous, fumed (CAS 112945-52-5) | 3 Not classifiable as to carcinogenicity to humans. |
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | 1 Carcinogenic to humans. |
| Styrene (CAS 100-42-5) | 2A Probably carcinogenic to humans. |
| Titanium dioxide (CAS 13463-67-7) | 2B Possibly carcinogenic to humans. |

**US. National Toxicology Program (NTP) Report on Carcinogens**

| | |
|---|---|
| SILICA, CRYSTALLINE, QUARTZ (CAS 14808-60-7) | Known To Be Human Carcinogen. |
| Styrene (CAS 100-42-5) | Reasonably Anticipated to be a Human Carcinogen. |

**Reproductive toxicity** Suspected of damaging fertility or the unborn child.

**Specific target organ toxicity - single exposure** Due to partial or complete lack of data the classification is not possible.

**Specific target organ toxicity - repeated exposure** Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

| | |
|---|---|
| ALPHA-METHYLSTYRENE | 3.48 |
| Styrene | 2.95 |

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

**TDG**

| | |
|---|---|
| **UN number** | UN1866 |
| **UN proper shipping name** | RESIN SOLUTION, flammable |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Packing group** | II |
| **Environmental hazards** | Not available. |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**IATA**

| | |
|---|---|
| **UN number** | UN1866 |
| **UN proper shipping name** | Resin solution flammable |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Packing group** | II |
| **Environmental hazards** | No. |
| **ERG Code** | 3L |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **Other information** | |
| **Passenger and cargo aircraft** | Allowed with restrictions. |
| **Cargo aircraft only** | Allowed with restrictions. |

**IMDG**

| | |
|---|---|
| **UN number** | UN1866 |
| **UN proper shipping name** | RESIN SOLUTION flammable |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Packing group** | II |
| **Environmental hazards** | |
| **Marine pollutant** | No. |
| **EmS** | F-E, S-E |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**IATA; IMDG; TDG**


## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**International regulations**

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto Protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

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**Revision information** Composition / Information on Ingredients: Component Summary