# **SAFETY DATA SHEET**

GC66902

| Section 1. Identification                    |   |  |
|--|---|--|
| Product name                                 | : Geocel® 2300® Polyamide Cartridge<br>Gray   |  |
| Product code                                 | : GC66902   |  |
| Other means of identification                | : Not available.  |  |
| Product type                                 | : Liquid.   |  |
| Relevant identified uses of t                | he substance or mixture and uses advised against  |  |
| Paint or paint related material.             |   |  |
| Manufacturer                                 | : Geocel Products Group<br>A Business Unit of the Sherwin-Williams Company<br>101 W. Prospect Avenue<br>Cleveland, Ohio 44115 |  |
| National contact                             | : Sherwin-Williams Canada Inc.<br>180 Brunel Road<br>Mississauga, Ontario L4Z 1T5 Canada                                      |  |
| Emergency telephone<br>number of the company | : US / Canada: (800) 424-9300<br>Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year            |  |
| Product Information<br>Telephone Number      | : US / Canada: (800) 348-7615<br>Mexico: Not Available  |  |
| Transportation Emergency<br>Telephone Number | : US / Canada: (800) 424-9300<br>Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year            |  |
| Section 2. Hazard                            | s identification  |  |

| Classification of the | : ACUTE TOXICITY (inhalation) - Category 4  |
|-----------------------|---|
| substance or mixture  | SKIN CORROSION/IRRITATION - Category 2  |
|                       | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  |
|                       | CARCINOGENICITY - Category 1B   |
|                       | TOXIC TO REPRODUCTION - Category 2  |
|                       | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -   |
|                       |   |
|                       | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2   |
|                       | Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 15% (oral), 62.5% (dermal), 15% (inhalation) |
| GHS label elements    |   |
| Hazard pictograms     |   |
|                       |   |
|                       |   |
|                       |   |
|                       | ▼ ▼   |

Signal word

: Danger

| Date of issue/Date | e of revision       | : 2/23/2024    | Date of previous issue | : 1/25/2024 | Version | : 20.01   | 1/15 |
|--------------------|---------------------|----------------|------------------------|-------------|---------|-----------|------|
| GC66902            | Geocel® 2300® Polya | mide Cartridge |                        |             | SHW-85- | NA-GHS-CA |      |
|                    | Gray                |                |                        |             |         |           |      |

## Section 2. Hazards identification

| Hazard statements                   | <ul> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>Harmful if inhaled.</li> <li>May cause drowsiness or dizziness.</li> <li>May cause cancer.</li> <li>Suspected of damaging fertility or the unborn child.</li> <li>May cause damage to organs through prolonged or repeated exposure.</li> </ul>   |
|-------------------------------------|---|
| Precautionary statements            |   |
| General                             | : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.   |
| Prevention                          | : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling.   |
| Response                            | : IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove<br>person to fresh air and keep comfortable for breathing. Call a POISON CENTER or<br>doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF<br>ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or<br>attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact<br>lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical<br>advice or attention. |
| Storage                             | : Store locked up. Store in a well-ventilated place. Keep container tightly closed.   |
| Disposal                            | : Dispose of contents and container in accordance with all local, regional, national and international regulations.   |
| Supplemental label<br>elements      | DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which<br>can cause permanent brain and nervous system damage. Intentional misuse by<br>deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING:<br>This product contains chemicals known to the State of California to cause cancer and<br>birth defects or other reproductive harm.   |
|                                     | Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.  |
| Hazards not otherwise<br>classified | : None known.   |

## Section 3. Composition/information on ingredients

| Substance/mixture | : Mixture        |
|-------------------|------------------|
| Other means of    | : Not available. |
| identification    |                  |

#### **CAS number/other identifiers**

| Ingredient name               | % by weight | CAS number |
|-------------------------------|-------------|------------|
| Tetrachloroethylene           | 47.52       | 127-18-4   |
| Hydrocarbon Polymer           | 17.2        | -          |
| Isobutylene Polymer           | 7.79        | 9003-27-4  |
| Styrene-Hydrocarbon Copolymer | 7.22        | 9011-11-4  |
| Light Aromatic Hydrocarbons   | 0.48        | 64742-95-6 |
| trimethylbenzene              | 0.25        | 25551-13-7 |
| Light Stabilizer              | 0.15        | 52829-07-9 |
| Titanium Dioxide              | 0.15        | 13463-67-7 |
| 1,3,5-Trimethylbenzene        | 0.1         | 108-67-8   |
| 1,2,4-Trimethylbenzene        | 0.1         | 95-63-6    |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

| Date of issue/Dat | te of revision   | : 2/23/2024        | Date of previous issue | : 1/25/2024 | Version : 20.01  | 2/15 |
|-------------------|------------------|--------------------|------------------------|-------------|------------------|------|
| GC66902           | Geocel® 2300® Po | olyamide Cartridge |                        |             | SHW-85-NA-GHS-CA |      |
|                   | Gray             |                    |                        |             |                  |      |

## Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

| Description of | f necessary | first aid | measures |
|----------------|-------------|-----------|----------|
|                |             |           |          |

Gray

| Eye contact  | : | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.   |
|--------------|---|---|
| Inhalation   | : | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| Skin contact | : | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.   |
| Ingestion    | : | Wash out mouth with water. Remove dentures if any. If material has been swallowed<br>and the exposed person is conscious, give small quantities of water to drink. Stop if the<br>exposed person feels sick as vomiting may be dangerous. Do not induce vomiting<br>unless directed to do so by medical personnel. If vomiting occurs, the head should be<br>kept low so that vomit does not enter the lungs. Get medical attention. If necessary,<br>call a poison center or physician. Never give anything by mouth to an unconscious<br>person. If unconscious, place in recovery position and get medical attention<br>immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt<br>or waistband.   |

| Most important symptoms        | s/effects, acute and delayed  |
|--------------------------------|---|
| Potential acute health ef      | fects   |
| Eye contact                    | : Causes serious eye irritation.  |
| Inhalation                     | : Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.   |
| Skin contact                   | : Causes skin irritation.   |
| Ingestion                      | : Can cause central nervous system (CNS) depression.  |
| Over-exposure signs/syr        | nptoms  |
| Eye contact                    | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness  |
| Inhalation                     | : Adverse symptoms may include the following:<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness<br>reduced fetal weight<br>increase in fetal deaths |
| Date of issue/Date of revision | : 2/23/2024 Date of previous issue : 1/25/2024 Version : 20.01 3/15   |
| GC66902 Geocel® 2300           | Polyamide Cartridge     SHW-85-NA-GHS-CA  |

## Section 4. First aid measures

|                            | skeletal malformations  |
|----------------------------|---|
| Skin contact               | : Adverse symptoms may include the following:<br>irritation<br>redness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations  |
| Ingestion                  | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| Notes to physician         | : In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br>The exposed person may need to be kept under medical surveillance for 48 hours.  |
| Specific treatments        | : No specific treatment.  |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

#### See toxicological information (Section 11)

## Section 5. Fire-fighting measures

| Extinguishing media                            |   |
|--|---|
| Suitable extinguishing media                   | : Use an extinguishing agent suitable for the surrounding fire.   |
| Unsuitable extinguishing media                 | : None known.   |
| Specific hazards arising from the chemical     | : In a fire or if heated, a pressure increase will occur and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| Hazardous thermal decomposition products       | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>halogenated compounds<br>carbonyl halides   |
| Special protective actions for fire-fighters   | <ul> <li>Promptly isolate the scene by removing all persons from the vicinity of the incident if<br/>there is a fire. No action shall be taken involving any personal risk or without suitable<br/>training.</li> </ul> |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |

## Section 6. Accidental release measures

| Personal precautions, protect  | ve equipment and emergency procedures   |
|--------------------------------|---|
| For non-emergency<br>personnel | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist.<br>Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>inadequate. Put on appropriate personal protective equipment.  |
| For emergency responders       | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| Environmental precautions      | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to<br>the environment if released in large quantities.   |
| Methods and materials for co   | tainment and cleaning up  |
| Small spill                    | : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
| Large spill                    | Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

## Section 7. Handling and storage

| <b>Precautions</b> | for safe | handling |
|--------------------|----------|----------|
|                    |          |          |

| Protective measures  | : Put on appropriate personal protective equipment (see Section 8). Avoid exposure -<br>obtain special instructions before use. Avoid exposure during pregnancy. Do not<br>handle until all safety precautions have been read and understood. Do not get in eyes<br>or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to<br>the environment. Use only with adequate ventilation. Wear appropriate respirator when<br>ventilation is inadequate. Keep in the original container or an approved alternative<br>made from a compatible material, kept tightly closed when not in use. Empty containers<br>retain product residue and can be hazardous. Do not reuse container. |
|--|--|
| Advice on general<br>occupational hygiene                          | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
| Conditions for safe storage,<br>including any<br>incompatibilities | : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.  |

| Date of issue/Date | of revision             | : 2/23/2024         | Date of previous issue | : 1/25/2024 | Version | : 20.01   | 5/15 |
|--------------------|-------------------------|---------------------|------------------------|-------------|---------|-----------|------|
| GC66902            | Geocel® 2300® F<br>Grav | Polyamide Cartridge |                        |             | SHW-85- | NA-GHS-CA |      |

## Section 8. Exposure controls/personal protection

#### **Control parameters**

Occupational exposure limits (OSHA United States)

| Ingredient name  | CAS #  | Exposure limits  |
|--|--|--|
| Tetrachloroethylene  | 127-18-4   | ACGIH TLV (United States, 1/2023).<br>TWA: 25 ppm 8 hours.<br>TWA: 170 mg/m <sup>3</sup> 8 hours.<br>STEL: 100 ppm 15 minutes.<br>STEL: 685 mg/m <sup>3</sup> 15 minutes.<br>OSHA PEL Z2 (United States, 2/2013).<br>TWA: 100 ppm 8 hours.<br>CEIL: 200 ppm<br>AMP: 300 ppm 5 minutes. |
| Hydrocarbon Polymer<br>Isobutylene Polymer<br>Styrene-Hydrocarbon Copolymer<br>Light Aromatic Hydrocarbons<br>trimethylbenzene | 9003-27-4<br>9011-11-4<br>64742-95-6<br>25551-13-7 | None.<br>None.<br>None.<br>ACGIH TLV (United States, 1/2023).<br>[trimethyl benzene, isomers]  |
| Light Stabilizer<br>Titanium Dioxide   | 52829-07-9<br>13463-67-7                           | TWA: 10 ppm 8 hours.<br>None.<br>OSHA PEL (United States, 5/2018).<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust<br>ACGIH TLV (United States, 1/2023).<br>TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable<br>fraction, finescale particles                               |
| 1,3,5-Trimethylbenzene   | 108-67-8   | ACGIH TLV (United States, 1/2023).<br>[trimethyl benzene, isomers]<br>TWA: 10 ppm 8 hours.<br>NIOSH REL (United States, 10/2020).<br>TWA: 25 ppm 10 hours.<br>TWA: 125 mg/m <sup>3</sup> 10 hours.   |
| 1,2,4-Trimethylbenzene   | 95-63-6  | NIOSH REL (United States, 10/2020).<br>TWA: 25 ppm 10 hours.<br>TWA: 125 mg/m <sup>3</sup> 10 hours.<br>ACGIH TLV (United States, 1/2023).<br>TWA: 10 ppm 8 hours.   |

#### Occupational exposure limits (Canada)

| Ingredien   | t name           |             | CAS #                  | Exposure limits  |   |   |      |
|---|------------------|-------------|------------------------|--|---|---|------|
| Tetrachlo   | roethylene       |             | 127-18-4               | CA Alberta Prov<br>15 min OEL: 6<br>15 min OEL: 10<br>8 hrs OEL: 25<br>8 hrs OEL: 170<br>CA British Colu<br>6/2022).<br>TWA: 25 ppm<br>CA Ontario Prov<br>TWA: 25 ppm<br>CA Quebec Prov<br>TWAEV: 25 pp<br>TWAEV: 170 n<br>STEV: 100 ppr | 78 mg/m <sup>3</sup> 15 m<br>00 ppm 15 min<br>ppm 8 hours.<br>0 mg/m <sup>3</sup> 8 hour<br><b>umbia Provinc</b><br>8 hours.<br>n 15 minutes.<br><b>vincial (Canad</b><br>8 hours.<br>n 15 minutes.<br><b>ovincial (Canad</b><br>m 8 hours.<br>ng/m <sup>3</sup> 8 hours. | inutes.<br>utes.<br>ial (Canada<br>da, 6/2019). |      |
| Date of issue/                                    | Date of revision | : 2/23/2024 | Date of previous issue | : 1/25/2024  | Version   | : 20.01   | 6/15 |
| GC66902 Geocel® 2300® Polyamide Cartridge<br>Gray |                  | -           |                        | SHW-85   | -NA-GHS-CA  |   |      |

## Section 8. Exposure controls/personal protection

| STEV: 685 mg/m <sup>3</sup> 15 minutes.<br><b>CA Saskatchewan Provincial (Canada,</b><br><b>7/2013).</b><br>STEL: 100 ppm 15 minutes.<br>TWA: 25 ppm 8 hours. |
|---|
|   |

#### **Occupational exposure limits (Mexico)**

| Ingredient name     | CAS #    | Exposure limits   |
|---------------------|----------|---|
| Tetrachloroethylene | 127-18-4 | <b>NOM-010-STPS-2014 (Mexico, 4/2016).</b><br>TWA: 25 ppm 8 hours.<br>STEL: 100 ppm 15 minutes. |

#### **Biological exposure indices (United States)**

| Ingredient name     | Exposure indices  |
|---------------------|---|
| Tetrachloroethylene | ACGIH BEI (United States, 1/2023)<br>BEI: 3 ppm, tetrachloroethylene [in end-<br>exhaled air]. Sampling time: prior to shift.<br>BEI: 0.5 mg/l, tetrachloroethylene [in blood].<br>Sampling time: prior to shift. |

#### **Biological exposure indices (Canada)**

No exposure indices known.

#### **Biological exposure indices (Mexico)**

Gray

| Ingredient name | Exposure indices   |
|-----------------|--|
|                 | Official Mexican STANDARD NOM-<br>047-SSA1-2011, Environmental Health-<br>Biological exposure indices for personnel<br>occupationally exposed to chemical<br>substances. (Mexico, 6/2012)<br>BEI: 0.5 mg/L, tetrachlorethylene [in blood].<br>Sampling time: before work shift.<br>BEI: 3 ppm, tetrachlorethylene [in final<br>exhaled breath]. Sampling time: before work<br>shift. |

| Appropriate engineering controls | : Use only with adequate ventilation. Use process enclosures other engineering controls to keep worker exposure to airbor recommended or statutory limits.   |   |
|----------------------------------|--|---|
| Environmental exposure controls  | Emissions from ventilation or work process equipment shoul<br>they comply with the requirements of environmental protection<br>cases, fume scrubbers, filters or engineering modifications to<br>will be necessary to reduce emissions to acceptable levels.                                 | on legislation. In some                             |
| Individual protection meas       | <u>ires</u>  |   |
| Hygiene measures                 | : Wash hands, forearms and face thoroughly after handling cheating, smoking and using the lavatory and at the end of the Appropriate techniques should be used to remove potentially Wash contaminated clothing before reusing. Ensure that eyshowers are close to the workstation location. | working period.<br>y contaminated clothing.         |
| Eye/face protection              | : Safety eyewear complying with an approved standard should<br>assessment indicates this is necessary to avoid exposure to<br>gases or dusts. If contact is possible, the following protectio<br>the assessment indicates a higher degree of protection: che                                 | liquid splashes, mists,<br>n should be worn, unless |
| Date of issue/Date of revision   | : 2/23/2024 Date of previous issue : 1/25/2024   | Version : 20.01 7/15                                |
| GC66902 Geocel® 2300®            | Polyamide Cartridge  | SHW-85-NA-GHS-CA                                    |

## Section 8. Exposure controls/personal protection

| Skin protection        |  |
|------------------------|--|
| Hand protection        | : Chemical-resistant, impervious gloves complying with an approved standard should be<br>worn at all times when handling chemical products if a risk assessment indicates this is<br>necessary. Considering the parameters specified by the glove manufacturer, check<br>during use that the gloves are still retaining their protective properties. It should be<br>noted that the time to breakthrough for any glove material may be different for different<br>glove manufacturers. In the case of mixtures, consisting of several substances, the<br>protection time of the gloves cannot be accurately estimated. |
| Body protection        | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  |
| Other skin protection  | <ul> <li>Appropriate footwear and any additional skin protection measures should be selected<br/>based on the task being performed and the risks involved and should be approved by a<br/>specialist before handling this product.</li> </ul>  |
| Respiratory protection | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.   |

## Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

| <u>Appearance</u>                                       |   |                |  |  |  |
|---|---|----------------|--|--|--|
| Physical state  | Liquid.   |                |  |  |  |
| Color   | Gray.   | Gray.          |  |  |  |
| Odor  | Not available.                                    | Not available. |  |  |  |
| Odor threshold  | Not available.                                    |                |  |  |  |
| рН  | Not applicable.                                   |                |  |  |  |
| Melting point/freezing point                            | Not available.                                    |                |  |  |  |
| Boiling point, initial boiling point, and boiling range | 121°C (249.8°F                                    | )              |  |  |  |
| Flash point   | Closed cup: No                                    | t applicable.  |  |  |  |
| Evaporation rate  | 2.59 (butyl acet                                  | ate = 1)       |  |  |  |
| Flammability  | Not available.                                    |                |  |  |  |
| Lower and upper explosion limit/flammability limit      | : Not available.                                  |                |  |  |  |
| Vapor pressure  | 2.4 kPa (18 mm Hg)                                |                |  |  |  |
| Relative vapor density                                  | 5.83 [Air = 1]                                    |                |  |  |  |
| Relative density  | 1.19  |                |  |  |  |
| Solubility(ies)   |   |                |  |  |  |
| Media   | Result  |                |  |  |  |
| cold water  | Not soluble                                       | e              |  |  |  |
| Partition coefficient: n-<br>octanol/water              | Not applicable.                                   |                |  |  |  |
| Auto-ignition temperature                               | Not available.                                    |                |  |  |  |
| Decomposition temperature                               | : Not available.                                  |                |  |  |  |
| Viscosity   | Kinematic (40°C (104°F)): <20.5 mm²/s (<20.5 cSt) |                |  |  |  |
| Molecular weight  | Not applicable.                                   |                |  |  |  |
|   |   |                |  |  |  |

| Date of issue/Date | of revision                  | : 2/23/2024    | Date of previous issue | : 1/25/2024 | Version | : 20.01   | 8/15 |
|--------------------|------------------------------|----------------|------------------------|-------------|---------|-----------|------|
| GC66902            | Geocel® 2300® Polyar<br>Gray | mide Cartridge |                        |             | SHW-85- | NA-GHS-CA |      |

### Section 9. Physical and chemical properties

Heat of combustion : 2.492 kJ/g

## Section 10. Stability and reactivity

| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.           |
|------------------------------------|--|
| Chemical stability                 | : The product is stable.   |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Conditions to avoid                | : No specific data.  |
| Incompatible materials             | : No specific data.  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|                                    |  |

### Section 11. Toxicological information

#### Information on toxicological effects

#### **Acute toxicity**

| Product/ingredient name     | Result                | Species | Dose                    | Exposure |
|-----------------------------|-----------------------|---------|-------------------------|----------|
| Tetrachloroethylene         | LD50 Oral             | Rat     | 2629 mg/kg              | -        |
| Light Aromatic Hydrocarbons | LD50 Oral             | Rat     | 8400 mg/kg              | -        |
| trimethylbenzene            | LD50 Oral             | Rat     | 8970 mg/kg              | -        |
| Light Stabilizer            | LC50 Inhalation Vapor | Rat     | 500 mg/m <sup>3</sup>   | 4 hours  |
| 1,3,5-Trimethylbenzene      | LC50 Inhalation Vapor | Rat     | 24000 mg/m <sup>3</sup> | 4 hours  |
|                             | LD50 Oral             | Rat     | 5000 mg/kg              | -        |
| 1,2,4-Trimethylbenzene      | LC50 Inhalation Vapor | Rat     | 18000 mg/m <sup>3</sup> | 4 hours  |
| · · · ·                     | LD50 Oral             | Rat     | 5 g/kg                  | -        |

#### Irritation/Corrosion

| Product/ingredient name      | Result                   | Species | Score | Exposure           | Observation |
|------------------------------|--------------------------|---------|-------|--------------------|-------------|
| Tetrachloroethylene          | Eyes - Mild irritant     | Rabbit  | -     | 162 mg             | -           |
|                              | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500       | -           |
|                              |                          |         |       | mg                 |             |
|                              | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500       | -           |
|                              |                          | 5       |       | mg                 |             |
|                              | Skin - Severe irritant   | Rabbit  | -     | 24 hours 810       | -           |
| Light Aromatic Lludragerhans | Even Mild irritent       | Dabbit  |       | mg                 |             |
| Light Aromatic Hydrocarbons  | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 100<br>uL | -           |
| trimethylbenzene             | Eyes - Mild irritant     | Rabbit  | _     | 24 hours 500       | _           |
|                              |                          |         |       | mg                 |             |
|                              | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500       | -           |
|                              |                          |         |       | mg                 |             |
| Titanium Dioxide             | Skin - Mild irritant     | Human   | -     | 72 hours 300       | -           |
|                              |                          |         |       | ug l               |             |
| 1,3,5-Trimethylbenzene       | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500       | -           |
|                              | China Madanata innitarat | Debbit  |       | mg                 |             |
|                              | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20        | -           |
|                              |                          |         |       | mg                 |             |

#### Sensitization

### Section 11. Toxicological information

#### Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Classification**

| Product/ingredient name | OSHA | IARC | NTP  |
|-------------------------|------|------|--|
| Tetrachloroethylene     | -    | 2A   | Reasonably anticipated to be a human carcinogen. |
| Titanium Dioxide        |      | 2B   | -  |

#### Reproductive toxicity

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

| Name                        | Category   | Route of exposure | Target organs                   |
|-----------------------------|------------|-------------------|---------------------------------|
| Tetrachloroethylene         | Category 3 | -                 | Narcotic effects                |
| Light Aromatic Hydrocarbons | Category 3 | -                 | Respiratory tract<br>irritation |
|                             | Category 3 |                   | Narcotic effects                |
| 1,3,5-Trimethylbenzene      | Category 3 | -                 | Respiratory tract<br>irritation |
| 1,2,4-Trimethylbenzene      | Category 3 | -                 | Respiratory tract irritation    |

#### Specific target organ toxicity (repeated exposure)

| Name   |                          | Route of<br>exposure | Target organs |
|--|--------------------------|----------------------|---------------|
| Tetrachloroethylene<br>Light Aromatic Hydrocarbons | Category 2<br>Category 2 | -                    | -             |

#### Aspiration hazard

| Name                        | Result                         |
|-----------------------------|--------------------------------|
| Light Aromatic Hydrocarbons | ASPIRATION HAZARD - Category 1 |
| trimethylbenzene            | ASPIRATION HAZARD - Category 1 |
| 1,3,5-Trimethylbenzene      | ASPIRATION HAZARD - Category 1 |
| 1,2,4-Trimethylbenzene      | ASPIRATION HAZARD - Category 1 |

## Information on the likely : Not available. routes of exposure

| Potential acute health effects |   |   |  |  |  |
|--------------------------------|---|---|--|--|--|
| Eye contact                    | 1 | Causes serious eye irritation.  |  |  |  |
| Inhalation                     | : | Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. |  |  |  |
| Skin contact                   | 1 | Causes skin irritation.   |  |  |  |
| Ingestion                      | 1 | Can cause central nervous system (CNS) depression.  |  |  |  |

#### Symptoms related to the physical, chemical and toxicological characteristics

| Date of issue/Date | of revision             | : 2/23/2024        | Date of previous issue | : 1/25/2024 | Version | : 20.01   | 10/15 |
|--------------------|-------------------------|--------------------|------------------------|-------------|---------|-----------|-------|
| GC66902            | Geocel® 2300® P<br>Gray | olyamide Cartridge |                        |             | SHW-85- | NA-GHS-CA |       |

## Section 11. Toxicological information

| Eye contact  | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness  |
|--------------|---|
| Inhalation   | : Adverse symptoms may include the following:<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| Skin contact | : Adverse symptoms may include the following:<br>irritation<br>redness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations  |
| Ingestion    | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |

| Delayed and immediate eff      | ts and also chronic effects from short and long term exposure             |    |
|--------------------------------|---|----|
| <u>Short term exposure</u>     |   |    |
| Potential immediate<br>effects | Not available.  |    |
| Potential delayed effects      | Not available.  |    |
| Long term exposure             |   |    |
| Potential immediate<br>effects | Not available.  |    |
| Potential delayed effects      | Not available.  |    |
| Potential chronic health ef    | <u>cts</u>  |    |
| Not available.                 |   |    |
| General                        | May cause damage to organs through prolonged or repeated exposure.        |    |
| Carcinogenicity                | May cause cancer. Risk of cancer depends on duration and level of exposur | e. |
| Mutagenicity                   | No known significant effects or critical hazards.                         |    |
| Teratogenicity                 | No known significant effects or critical hazards.                         |    |
| Developmental effects          | No known significant effects or critical hazards.                         |    |
| Fertility effects              | Suspected of damaging fertility.  |    |

#### Numerical measures of toxicity

#### Acute toxicity estimates

| Route               | ATE value    |
|---------------------|--------------|
| Oral                | 4701.6 mg/kg |
| Inhalation (vapors) | 19.67 mg/l   |

| Date of issue/Date                                | of revision | : 2/23/2024 | Date of previous issue | : 1/25/2024 | Version | : 20.01 | 11/15 |
|---|-------------|-------------|------------------------|-------------|---------|---------|-------|
| GC66902 Geocel® 2300® Polyamide Cartridge<br>Grav |             |             | SHW-85-                | NA-GHS-CA   | ,       |         |       |

### Section 12. Ecological information

#### **Toxicity Product/ingredient name** Result **Species Exposure** Tetrachloroethylene Acute EC50 3.64 mg/l Algae - Chlamydomonas 72 hours reinhardtii - Exponential growth phase Acute EC50 504 ppm Marine water Algae - Skeletonema costatum 96 hours Acute LC50 3.5 mg/l Marine water Crustaceans - Elminius modestus 48 hours - Nauplii Acute LC50 3.40071 mg/l Fresh water Daphnia - Daphnia magna 48 hours Acute LC50 4000 µg/l Fresh water Fish - Jordanella floridae -96 hours Juvenile (Fledgling, Hatchling, Weanling) Chronic EC10 1.77 mg/l Algae - Chlamydomonas 72 hours reinhardtii - Exponential growth phase Chronic NOEC 0.4 mg/l Fresh water Daphnia - Daphnia magna 21 days Chronic NOEC 500 µg/l Fresh water Fish - Pimephales promelas -32 days Larvae Isobutylene Polymer Acute LC50 >5600000 µg/l Fresh water Fish - Oncorhynchus mykiss 96 hours Acute LC50 5600 µg/l Marine water trimethylbenzene Crustaceans - Palaemonetes 48 hours pugio Titanium Dioxide Acute LC50 >1000000 µg/l Marine water Fish - Fundulus heteroclitus 96 hours 1,3,5-Trimethylbenzene Acute LC50 13000 µg/l Marine water Crustaceans - Cancer magister -48 hours Zoea Acute LC50 12520 µg/l Fresh water Fish - Carassius auratus 96 hours Chronic NOEC 0.4 mg/l Fresh water Daphnia - Daphnia magna 21 davs 1,2,4-Trimethylbenzene Acute LC50 4910 µg/l Marine water Crustaceans - Elasmopus 48 hours pectenicrus - Adult Acute LC50 7720 µg/l Fresh water Fish - Pimephales promelas 96 hours

#### Persistence and degradability

| Product/ingredient name     | Aquatic half-life | Photolysis | Biodegradability |
|-----------------------------|-------------------|------------|------------------|
| Light Aromatic Hydrocarbons | -                 | -          | Readily          |

#### **Bioaccumulative potential**

| Product/ingredient name     | LogPow | BCF         | Potential |
|-----------------------------|--------|-------------|-----------|
| Tetrachloroethylene         | -      | 49          | Low       |
| Isobutylene Polymer         | -      | 314 to 1882 | High      |
| Light Aromatic Hydrocarbons | -      | 10 to 2500  | High      |
| 1,3,5-Trimethylbenzene      | -      | 161         | Low       |
| 1,2,4-Trimethylbenzene      | -      | 243         | Low       |

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

#### Other adverse effects

: No known significant effects or critical hazards.

| Date of issue/Date | of revision                | : 2/23/2024     | Date of previous issue | : 1/25/2024 | Version | : 20.01   | 12/15 |
|--------------------|----------------------------|-----------------|------------------------|-------------|---------|-----------|-------|
| GC66902            | Geocel® 2300® Poly<br>Gray | amide Cartridge |                        |             | SHW-85- | NA-GHS-CA |       |

### Section 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                               | DOT<br>Classification          | TDG<br>Classification   | Mexico<br>Classification       | ΙΑΤΑ  | IMDG  |
|-------------------------------|--------------------------------|---|--------------------------------|---|---|
| UN number                     | UN1897                         | UN1897  | UN1897                         | UN1897  | UN1897  |
| UN proper<br>shipping name    | Tetrachloroethylene<br>mixture | Tetrachloroethylene<br>mixture  | Tetrachloroethylene<br>mixture | Tetrachloroethylene<br>mixture  | Tetrachloroethylene<br>mixture. Marine<br>pollutant<br>(Tetrachloroethylene)  |
| Transport<br>hazard class(es) | 6.1                            | 6.1   | 6.1                            | 6.1   | 6.1   |
| Packing group                 | III                            | Ш   | Ш                              | Ш   | Ш   |
| Environmental<br>hazards      | No.                            | No.   | No.                            | Yes. The<br>environmentally<br>hazardous<br>substance mark<br>is not required.  | Yes.  |
| Additional<br>information     | -                              | Product classified<br>as per the<br>following sections<br>of the<br>Transportation of<br>Dangerous Goods<br>Regulations:<br>2.26-2.36 (Class<br>6). | -                              | The<br>environmentally<br>hazardous<br>substance mark<br>may appear if<br>required by other<br>transportation<br>regulations. | The marine<br>pollutant mark is<br>not required when<br>transported in<br>sizes of ≤5 L or ≤5<br>kg.<br><u>Emergency</u><br><u>schedules</u> F-A, S-<br>A |
|                               | ERG No.                        | ERG No.   | ERG No.                        |   |   |
|                               | 160                            | 160   | 160                            |   |   |

### Section 14. Transport information

| Special precautions for user                        | Multi-modal shipping descriptions are provided for informational purposes and do not<br>consider container sizes. The presence of a shipping description for a particular<br>mode of transport (sea, air, etc.), does not indicate that the product is packaged<br>suitably for that mode of transport. All packaging must be reviewed for suitability prior<br>to shipment, and compliance with the applicable regulations is the sole responsibility<br>of the person offering the product for transport. People loading and unloading<br>dangerous goods must be trained on all of the risks deriving from the substances<br>and on all actions in case of emergency situations. |
|---|---|
| Transport in bulk according :<br>to IMO instruments | Not available.  |

Proper shipping name

: Not available.

### Section 15. Regulatory information

### International regulations

Montreal Protocol

Not listed.

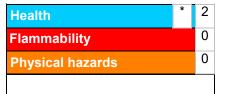
#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

| International lists | <ul> <li>Australia inventory (AIIC): Not determined.</li> <li>China inventory (IECSC): Not determined.</li> <li>Japan inventory (CSCL): Not determined.</li> <li>Japan inventory (ISHL): Not determined.</li> <li>Korea inventory (KECI): Not determined.</li> <li>New Zealand Inventory of Chemicals (NZIoC): Not determined.</li> <li>Philippines inventory (PICCS): Not determined.</li> <li>Taiwan Chemical Substances Inventory (TCSI): Not determined.</li> <li>Thailand inventory: Not determined.</li> <li>Turkey inventory: Not determined.</li> <li>Vietnam inventory: Not determined.</li> </ul> |
|---------------------|---|
|---------------------|---|

### Section 16. Other information

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



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

### Section 16. Other information

|  |  | - |  |  |  |
|--|--|---|--|--|--|
|  | Classification   |   |  |  |  |
| ACUTE TOXICITY (inhalat<br>SKIN CORROSION/IRRIT<br>SERIOUS EYE DAMAGE/<br>CARCINOGENICITY - Cat<br>TOXIC TO REPRODUCTI<br>SPECIFIC TARGET ORG/<br>Category 3<br>SPECIFIC TARGET ORG/ | Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |   |  |  |  |
| <u>History</u>   |  |   |  |  |  |
| Date of printing   | : 2/23/2024  |   |  |  |  |
| Date of issue/Date of revision   | : 2/23/2024  |   |  |  |  |
| Date of previous issue   | : 1/25/2024  |   |  |  |  |
| Version  | : 20.01  |   |  |  |  |
| Key to abbreviations   |  |   |  |  |  |

**V** Indicates information that has changed from previously issued version.

#### Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.