## DARK PURPLE W/SLIP V2.PG

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# SAFETY DATA SHEET

#### DARK PURPLE W/SLIP V2.PG

| Section 1. Identification                                                                              |            |                                                                                                                   |  |  |
|--------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------|--|--|
| GHS product identifier<br>Chemical name<br>CAS number<br>Other means of identification<br>Product type | :          | DARK PURPLE W/SLIP V2.PG<br>Mixture<br>Mixture<br>CC10269500<br>liquid                                            |  |  |
| <u>Relevant identified uses of the subs</u><br>Product use                                             | tance<br>: | e or mixture and uses advised against<br>Industrial applications. Plastics.                                       |  |  |
| Supplier's details                                                                                     | :          | <b>POLYONE CORPORATION</b><br>ColorMatrix Group Inc.<br>680 North Rocky River Drive, Berea, Ohio, 44017-1628, USA |  |  |
|                                                                                                        |            | +1 216 622 0100                                                                                                   |  |  |
| Emergency telephone number<br>(with hours of operation)                                                | :          | CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).                                      |  |  |

## Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

| OSHA/HCS status                            | : | This material is considered hazardous by the OSHA Hazard<br>Communication Standard (29 CFR 1910.1200). |
|--------------------------------------------|---|--------------------------------------------------------------------------------------------------------|
| Classification of the substance or mixture | : | SKIN IRRITATION - Category 2                                                                           |

#### **GHS label elements**

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| Hazard pictograms                          |                                                                                                                                                              |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                | : Warning                                                                                                                                                    |
| Hazard statements                          | : Causes skin irritation.                                                                                                                                    |
| <u>Precautionary statements</u><br>General | : Not applicable.                                                                                                                                            |
| Prevention                                 | : Wear protective gloves. Wash hands thoroughly after handling.                                                                                              |
| Response                                   | : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. |
| Storage                                    | : Not applicable.                                                                                                                                            |
| Disposal                                   | : Not applicable.                                                                                                                                            |

Supplemental label elements None known. :

| Hazards not otherwise classified : None know |   |        |     |           |            |   |            |
|----------------------------------------------|---|--------|-----|-----------|------------|---|------------|
|                                              | H | azards | not | otherwise | classified | : | None known |

## Section 3. Composition/information on ingredients

:

:

:

Substance/mixture Chemical name Other means of identification Mixture Mixture CC10269500

#### CAS number/other identifiers

| Ingredient name                                                     | %       | CAS number     |
|---------------------------------------------------------------------|---------|----------------|
| Miscellaneous Compounds Distillates, petroleum, hydrotreated middle | 10 - 30 | Not available. |
| Titanium dioxide                                                    | 1 - 5   | 13463-67-7     |

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

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

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



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## **Section 4. First aid measures**

#### Description of necessary first aid measures

| 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<br>for breathing. If not breathing, if breathing is irregular or if respiratory<br>arrest occurs, provide artificial respiration or oxygen by trained<br>personnel. It may be dangerous to the person providing aid to give<br>mouth-to-mouth resuscitation. Get medical attention if adverse health<br>effects persist or are severe. If unconscious, place in recovery position<br>and get medical attention immediately. Maintain an open airway.<br>Loosen tight clothing such as a collar, tie, belt or waistband. In case of<br>inhalation of decomposition products in a fire, symptoms may be<br>delayed. The exposed person may need to be kept under medical<br>surveillance for 48 hours.                                                       |
| Skin contact | : | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. 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. Remove victim<br>to fresh air and keep at rest in a position comfortable for breathing. If<br>material has been swallowed and the exposed person is conscious,<br>give small quantities of water to drink. Stop if the exposed person<br>feels sick as vomiting may be dangerous. Do not induce vomiting<br>unless directed to do so by medical personnel. If vomiting occurs, the<br>head should be kept low so that vomit does not enter the lungs. Get<br>medical attention if adverse health effects persist or are severe. Never<br>give anything by mouth to an unconscious person. If unconscious,<br>place in recovery position and get medical attention immediately.<br>Maintain an open airway. Loosen tight clothing such as a collar, tie,<br>belt or waistband. |

#### Most important symptoms/effects, acute and delayed

| Potential acute health effects |   |                                                   |
|--------------------------------|---|---------------------------------------------------|
| Eye contact                    | : | No known significant effects or critical hazards. |
| Inhalation                     | : | No known significant effects or critical hazards. |
| Skin contact                   | : | Causes skin irritation.                           |
| Ingestion                      | : | No known significant effects or critical hazards. |
| -                              |   | -                                                 |

**Over-exposure signs/symptoms** 



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| Eye contact                        | :      | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness                                                                                       |
|------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                         | :      | No specific data.                                                                                                                                                              |
| Skin contact                       | :      | Adverse symptoms may include the following:<br>irritation<br>redness                                                                                                           |
| Ingestion                          | :      | No specific data.                                                                                                                                                              |
| Indication of immediate medical at | tentio | on and special treatment needed, if necessary                                                                                                                                  |
| Notes to physician                 | :      | In case of inhalation of decomposition products in a fire, symptoms<br>may be delayed. The exposed person may need to be kept under<br>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<br>suitable training. It may be dangerous to the person providing aid to<br>give mouth-to-mouth resuscitation. |

See toxicological information (Section 11)

## Section 5. Firefighting measures

#### Extinguishing media

| Suitable extinguishing media<br>Unsuitable extinguishing media                               | : | In case of fire, use water spray (fog), foam, dry chemical or $CO_2$ .<br>None known.                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specific hazards arising from the<br>chemical<br>Hazardous thermal<br>decomposition products | : | In a fire or if heated, a pressure increase will occur and the container<br>may burst.<br>Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>sulfur oxides<br>metal oxide/oxides                      |
| Special protective actions for fire-<br>fighters<br>Special protective equipment for         | : | Promptly isolate the scene by removing all persons from the vicinity<br>of the incident if there is a fire. No action shall be taken involving any<br>personal risk or without suitable training.<br>Fire-fighters should wear appropriate protective equipment and self- |

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fire-fighters

contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel        | :     | No action shall be taken involving any personal risk or without<br>suitable training. Evacuate surrounding areas. Keep unnecessary and<br>unprotected personnel from entering. Do not touch or walk through<br>spilled material. Avoid breathing vapor or mist. Provide adequate<br>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<br>of any information in Section 8 on suitable and unsuitable materials.<br>See also the information in "For non-emergency personnel".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Environmental precautions          | :     | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Methods and materials for containm | ent a | nd 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<br>release from upwind. Prevent entry into sewers, water courses,<br>basements or confined areas. Wash spillages into an effluent treatment<br>plant or proceed as follows. Contain and collect spillage with non-<br>combustible, absorbent material e.g. sand, earth, vermiculite or<br>diatomaceous earth and place in container for disposal according to<br>local regulations (see Section 13). Dispose of via a licensed waste<br>disposal contractor. Contaminated absorbent material may pose the<br>same hazard as the spilled product. Note: see Section 1 for emergency<br>contact information and Section 13 for waste disposal. |

## Section 7. Handling and storage

#### Precautions for safe handling

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| Protective measures                                             | : | Put on appropriate personal protective equipment (see Section 8). Do<br>not ingest. Avoid contact with eyes, skin and clothing. Avoid<br>breathing vapor or mist. Keep in the original container or an approved<br>alternative made from a compatible material, kept tightly closed when<br>not in use. Empty containers retain product residue and can be<br>hazardous. Do not reuse container.                                                                                                               |
|-----------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on general occupational<br>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 incompatibilities | : | Store in accordance with local regulations. Store in original container<br>protected from direct sunlight in a dry, cool and well-ventilated area,<br>away from incompatible materials (see Section 10) and food and<br>drink. Keep container tightly closed and sealed until ready for use.<br>Containers that have been opened must be carefully resealed and kept<br>upright to prevent leakage. Do not store in unlabeled containers. Use<br>appropriate containment to avoid environmental contamination. |

## Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

| Ingredient name                                                        | Exposure limits                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Miscellaneous Compounds Distillates,<br>petroleum, hydrotreated middle |                                                                                                                                                                                                                                                                                                                                         |
| Titanium dioxide                                                       | OSHA PEL 1989 (1989-03-01)<br>PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust<br>OSHA PEL (1993-06-30)<br>PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust<br>NIOSH REL (1994-06-01)<br>ACGIH TLV (1996-05-18)<br>TLV-TWA: Threshold Limit Value - Time weighted average PEL:<br>Permissible Exposure Level 10 mg/m3 |
| Appropriate engineering controls :                                     | Good general ventilation should be sufficient to control worker                                                                                                                                                                                                                                                                         |

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exposure to airborne contaminants.

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|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental exposure controls                | : Emissions from ventilation or work process equipment should be<br>checked to ensure they comply with the requirements of<br>environmental protection legislation. In some cases, fume scrubbers,<br>filters or engineering modifications to the process equipment will be<br>necessary to reduce emissions to acceptable levels.                                                                                                                                                                                                                                                                   |
| Individual protection measures                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hygiene measures<br>Eye/face protection        | <ul> <li>Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.</li> <li>Safety eyewear complying with an approved standard should be used</li> </ul>                                                                                                                   |
|                                                | when a risk assessment indicates this is necessary to avoid exposure to<br>liquid splashes, mists, gases or dusts. If contact is possible, the<br>following protection should be worn, unless the assessment indicates a<br>higher degree of protection: chemical splash goggles.                                                                                                                                                                                                                                                                                                                    |
| Skin protection                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hand protection                                | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Body protection                                | Personal protective equipment for the body should be selected based<br>on the task being performed and the risks involved and should be<br>approved by a specialist before handling this product.                                                                                                                                                                                                                                                                                                                                                                                                    |
| Other skin protection                          | <ul> <li>Appropriate footwear and any additional skin protection measures<br/>should be selected based on the task being performed and the risks<br/>involved and should be approved by a specialist before handling this<br/>product.</li> </ul>                                                                                                                                                                                                                                                                                                                                                    |
| Respiratory protection                         | Based on the hazard and potential for exposure, select a respirator that<br>meets the appropriate standard or certification. Respirators must be<br>used according to a respiratory protection program to ensure proper<br>fitting, training, and other important aspects of use.                                                                                                                                                                                                                                                                                                                    |

# Section 9. Physical and chemical properties

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#### **Appearance**

| Physical state                             | : | liquid [liquid]                                  |
|--------------------------------------------|---|--------------------------------------------------|
| Color                                      | : | PURPLE                                           |
| Odor                                       | : | Faint odor.                                      |
| Odor threshold                             | : | Not available.                                   |
| рН                                         | : | Not available.                                   |
| Melting point                              | : | Not available.                                   |
| Boiling point                              | : | Not available.                                   |
| Flash point                                | : | Not available.                                   |
| Burning time                               | : | Not available.                                   |
| Burning rate                               | : | Not available.                                   |
| Evaporation rate                           | : | Not available.                                   |
| Flammability (solid, gas)                  | : | Not available.                                   |
| Lower and upper explosive                  | : | Lower: Not available.                            |
| (flammable) limits                         |   | Upper: Not available.                            |
| Vapor pressure                             | : | Not available.                                   |
| Vapor density                              | : | Not available.                                   |
| Relative density                           | : | Not available.                                   |
| Solubility                                 | : | Not available.                                   |
| Solubility in water                        | : | insoluble in water.                              |
| Partition coefficient: n-<br>octanol/water | : | Not available.                                   |
| Auto-ignition temperature                  | : | Not available.                                   |
| Decomposition temperature                  | : | Not available.                                   |
| SADT                                       |   |                                                  |
|                                            | : | Not available.                                   |
| Viscosity                                  | : | Not available.<br><b>Dynamic:</b> Not available. |

## Section 10. Stability and reactivity

| Reactivity                         | : | No specific test data related to reactivity available for this product or its ingredients.           |
|------------------------------------|---|------------------------------------------------------------------------------------------------------|
| Chemical stability                 | : | Stable under recommended storage and handling conditions (see Section 7).                            |
| Possibility of hazardous reactions | : | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Conditions to avoid                | : | Keep away from extreme heat and oxidizing agents.                                                    |
| Incompatible materials             | : | Keep away from strong acids.<br>Oxidizer.                                                            |
| Hazardous decomposition products   | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |



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## Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

#### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                                             | Result          | Species    | Dose          | Exposure |  |
|---------------------------------------------------------------------|-----------------|------------|---------------|----------|--|
| Titanium dioxide                                                    |                 |            |               |          |  |
|                                                                     | LC50 Inhalation | Rat - Male | 6.82 Mg/l     | 4 h      |  |
|                                                                     | LD50 Dermal     | Rabbit     | > 5,000 mg/kg | -        |  |
| Miscellaneous Compounds Distillates, petroleum, hydrotreated middle |                 |            |               |          |  |

Conclusion/Summary

Mixture.Not fully tested.

:

#### **Irritation/Corrosion**

| Product/ingredient name   | Result      | Species          | Score     | Exposure | Observation |
|---------------------------|-------------|------------------|-----------|----------|-------------|
| Titanium dioxide          | Skin - Mild | Human            |           | 72 hrs   | -           |
|                           | irritant    |                  |           |          |             |
| <b>Conclusion/Summary</b> |             |                  |           |          |             |
| Skin                      |             | lixture.Not full |           |          |             |
| Eyes                      |             | lixture.Not full |           |          |             |
| Respiratory               | : N         | lixture.Not full | y tested. |          |             |
| <u>Sensitization</u>      |             |                  |           |          |             |
| Conclusion/Summary        |             |                  |           |          |             |
| Skin                      | : N         | lixture.Not full | y tested. |          |             |
| Respiratory               | : N         | lixture.Not full | y tested. |          |             |
| <u>Mutagenicity</u>       |             |                  |           |          |             |
| Conclusion/Summary        | : N         | lixture.Not full | y tested. |          |             |
| <b>Carcinogenicity</b>    |             |                  |           |          |             |
| Conclusion/Summary        | : N         | lixture.Not full | y tested. |          |             |
| <u>Classification</u>     |             |                  | -         |          |             |
| Product/ingredient        | OSHA        | IARC             | NTP       |          |             |
| name                      |             |                  |           |          |             |
| Titanium dioxide          |             | 2B               |           |          |             |

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| <b><u>Reproductive toxicity</u></b>                         |                                                         |                                         |  |  |  |
|-------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------|--|--|--|
| Conclusion/Summary                                          | : Mixture.Not fully tested.                             |                                         |  |  |  |
| <b>Teratogenicity</b>                                       |                                                         |                                         |  |  |  |
| Conclusion/Summary                                          | : Mixture.Not                                           | fully tested.                           |  |  |  |
| Specific target organ toxicity (single<br>Not available.    | <u>exposure)</u>                                        |                                         |  |  |  |
| Specific target organ toxicity (repeat Not available.       | ted exposure)                                           |                                         |  |  |  |
| Aspiration hazard                                           |                                                         |                                         |  |  |  |
| Product/ingredient name                                     |                                                         | Result                                  |  |  |  |
| Miscellaneous Compounds Distillates,<br>hydrotreated middle | petroleum,                                              | ASPIRATION HAZARD - Category 1          |  |  |  |
| Information on likely routes of exposure                    | : Not available                                         |                                         |  |  |  |
| Potential acute health effects                              |                                                         |                                         |  |  |  |
| Eye contact                                                 | : No known si                                           | gnificant effects or critical hazards.  |  |  |  |
| Inhalation                                                  |                                                         | gnificant effects or critical hazards.  |  |  |  |
| Skin contact                                                | : Causes skin irritation.                               |                                         |  |  |  |
| Ingestion                                                   | : No known significant effects or critical hazards.     |                                         |  |  |  |
| Symptoms related to the physical, che                       | emical and toxico                                       | logical characteristics                 |  |  |  |
| Eye contact                                                 | : Adverse sym<br>pain or irritat<br>watering<br>redness | ptoms may include the following:<br>ion |  |  |  |
| Inhalation                                                  | : No specific d                                         | ata.                                    |  |  |  |
| Skin contact                                                | -                                                       | ptoms may include the following:        |  |  |  |
|                                                             | irritation<br>redness                                   |                                         |  |  |  |
| Ingestion                                                   | : No specific d                                         | ata.                                    |  |  |  |
| Delayed and immediate effects as well                       | ll as chronic effec                                     | ts from short and long-term exposure    |  |  |  |
| Short term exposure                                         |                                                         |                                         |  |  |  |
| Potential immediate effects                                 | : Not available                                         |                                         |  |  |  |
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| Potential delayed effects                                | : | Not available.                                                                                         |
|----------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------|
| Long term exposure                                       |   |                                                                                                        |
| Potential immediate effects<br>Potential delayed effects | : | Not available.<br>Not available.                                                                       |
| Potential chronic health effects                         |   |                                                                                                        |
| Conclusion/Summary                                       | : | Mixture.Not fully tested.                                                                              |
| General<br>Carcinogenicity                               | : | No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
| Mutagenicity                                             |   | No known significant effects or critical hazards.                                                      |
| Teratogenicity                                           | : | No known significant effects or critical hazards.                                                      |
| <b>Developmental effects</b>                             | : | No known significant effects or critical hazards.                                                      |
| Fertility effects                                        | : | No known significant effects or critical hazards.                                                      |

#### Numerical measures of toxicity

#### Acute toxicity estimates

| Route                        | ATE value  |
|------------------------------|------------|
| Inhalation (dusts and mists) | 8.333 mg/l |

## Section 12. Ecological information

#### **Toxicity**

| Product/ingredient name | Result                           | Species                | Exposure |
|-------------------------|----------------------------------|------------------------|----------|
| Titanium dioxide        |                                  |                        |          |
|                         | Acute LC50 > 1,000,000 μg/l      | Fish - Fish            | 96 h     |
|                         | Marine water                     |                        |          |
|                         | Acute LC50 > 1,000 mg/l Fresh    | Fish - Fish            | 96 h     |
|                         | water                            |                        |          |
|                         | Acute LC50 13 mg/l Fresh water   | Aquatic invertebrates. | 48 h     |
|                         |                                  | Daphnia                |          |
|                         | Acute LC50 6.5 mg/l Fresh water  | Aquatic invertebrates. | 48 h     |
|                         |                                  | Daphnia                |          |
|                         | Acute LC50 3 mg/l Fresh water    | Aquatic invertebrates. | 48 h     |
|                         |                                  | Crustaceans            |          |
|                         | Acute LC50 15.9 mg/l Fresh water | Aquatic invertebrates. | 48 h     |



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|                                  | Crustaceans            |      |
|----------------------------------|------------------------|------|
| Acute LC50 3.6 mg/l Fresh water  | Aquatic invertebrates. | 48 h |
|                                  | Crustaceans            |      |
| Acute LC50 11 mg/l Fresh water   | Aquatic invertebrates. | 48 h |
|                                  | Crustaceans            |      |
| Acute LC50 13.4 mg/l Fresh water | Aquatic invertebrates. | 48 h |
|                                  | Crustaceans            |      |
| Acute EC50 27.8 mg/l Fresh water | Aquatic invertebrates. | 48 h |
|                                  | Daphnia                |      |
| Acute EC50 19.3 mg/l Fresh water | Aquatic invertebrates. | 48 h |
|                                  | Daphnia                |      |
| Acute EC50 35.306 mg/l Fresh     | Aquatic invertebrates. | 48 h |
| water                            | Daphnia                |      |

Conclusion/Summary

: Not available.

#### Persistence and degradability

Conclusion/Summary

Not available.

:

#### **Bioaccumulative potential**

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-----|-----------|
| Titanium dioxide        |        | -   | low       |

#### Mobility in soil

| Soil/water partition coefficient | : | Not available.                                    |
|----------------------------------|---|---------------------------------------------------|
| (KOC)                            |   |                                                   |
| Other adverse effects            | : | No known significant effects or critical hazards. |

## Section 13. Disposal considerations

| Disposal methods : |
|--------------------|
|--------------------|

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containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

## Section 14. Transport information

| U.S.DOT 49CFR<br>Ground/Air/Water | : | Not regulated for transportation.                              |
|-----------------------------------|---|----------------------------------------------------------------|
| International Air<br>ICAO/IATA    | : | Not classified as dangerous goods under transport regulations. |
| International Water<br>IMO/IMDG   | : | Not classified as dangerous goods under transport regulations. |

## Section 15. Regulatory information

| U.S. Federal regulations | <ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Final significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined</li> <li>United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed</li> <li>United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed</li> </ul> |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Xanthylium, 3,6-bis(diethylamino)-9-[2-(methoxycarbonyl)phenyl]-, (T-4)-tetrachlorozincate(2-) (2:1)

United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed

| Clean Air Act Section 112(b)                                         | : | Listed     |
|----------------------------------------------------------------------|---|------------|
| Hazardous Air Pollutants (HAPs)<br>Clean Air Act Section 602 Class I | : | Not listed |
| Substances<br>Clean Air Act Section 602 Class II                     |   | Not listed |
| Substances<br>DEA List I Chemicals (Precursor                        |   | Not listed |
| Chemicals)                                                           | • |            |
| DEA List II Chemicals (Essential<br>Chemicals)                       | : | Not listed |

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

:

not applicable

#### SARA 311/312

Classification

Immediate (acute) health hazard

#### **Composition/information on ingredients**

| Name                    | %       | Classification |
|-------------------------|---------|----------------|
| Titanium dioxide        | 1 - 5   | СН             |
|                         |         |                |
| Miscellaneous Compounds | 10 - 30 | АН             |
| Distillates, petroleum, |         |                |
| hydrotreated middle     |         |                |

#### SARA 313

Not applicable.

#### State regulations

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| Massachusetts                                                    | :    | None of the components are listed.                       |
|------------------------------------------------------------------|------|----------------------------------------------------------|
| New York                                                         | :    | None of the components are listed.                       |
| New Jersey                                                       | :    | The following components are listed:                     |
| 0                                                                |      | Titanium dioxide                                         |
| Pennsylvania                                                     | :    | The following components are listed:<br>Titanium dioxide |
| <u>California Prop. 65</u><br>WARNING: This product contains a c | hemi | ical known to the State of California to cause cancer.   |
| United States inventory (TSCA 8b)                                | :    | All components are listed or exempted.                   |
| Canada inventory                                                 | :    | Not determined.                                          |
| International regulations                                        |      |                                                          |
| <u>Inventory list</u>                                            |      |                                                          |
| Australia                                                        | :    | Not determined.                                          |
| Canada                                                           | :    | Not determined.                                          |
| China                                                            | :    | Not determined.                                          |
| Europe inventory                                                 | :    | Not determined.                                          |
| Japan                                                            | :    | Not determined.                                          |
| New Zealand                                                      | :    | Not determined.                                          |
| Philippines                                                      | :    | Not determined.                                          |
| Republic of Korea                                                | :    | Not determined.                                          |
| Taiwan                                                           | :    | Not determined.                                          |
| Turkey                                                           | :    | Not determined.                                          |
| United States                                                    | :    | All components are listed or exempted.                   |
|                                                                  |      |                                                          |

## Section 16. Other information

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

| Health           | * | 1 |
|------------------|---|---|
| Flammability     |   | 0 |
| Physical hazards |   | 0 |
|                  |   |   |

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 are not required on SDSs 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 mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.



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| History                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date of printing               | : | 10/25/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Date of issue/Date of revision | : | 09/15/2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Date of previous issue         | : | 00/00/0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Version                        | : | 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Key to abbreviations           | : | ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of<br>Chemicals<br>IATA = International Air Transport Association<br>IBC = Internediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From<br>Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine<br>pollution)<br>UN = United Nations |
| References                     | : | Not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

#### Notice to reader

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