PC/ABS BLUE 2915C

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SAFETY DATA SHEET

PC/ABS BLUE 2915C

| Section 1. Identification | | |
|--|-------------|--|
| GHS product identifier Chemical name CAS number Other means of identification Product type | : | PC/ABS BLUE 2915C Mixture Mixture CC10307179 solid |
| <u>Relevant identified uses of the subs</u> Product use | stance : | or mixture and uses advised against Industrial applications. Plastics. |
| Supplier's details | : | Mesa Industries 230 N 48th Avenue Phoenix, AZ 85043 |
| | | (602) 269-3199 |
| Emergency telephone number (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. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors 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. After handling, always wash hands thoroughly with soap and water.

| OSHA/HCS status | : | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
|--|---|--|
| Classification of the substance or mixture | : | Not classified. |

GHS label elements

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| Signal word | : | No signal word. |
|----------------------------------|---|---|
| Hazard statements | : | No known significant effects or critical hazards. |
| | | |
| Precautionary statements | | |
| | | |
| General | : | Not applicable. |
| Prevention | : | Not applicable. |
| Response | : | Not applicable. |
| Storage | : | Not applicable. |
| Disposal | : | Not applicable. |
| Supplemental label elements | : | None known. |
| Hazards not otherwise classified | : | None known. |

Section 3. Composition/information on ingredients

| Substance/mixture | : | Mixture |
|-------------------------------|---|------------|
| Chemical name | : | Mixture |
| Other means of identification | : | CC10307179 |

CAS number/other identifiers

| Ingredient name | % | CAS number |
|---|---------|------------|
| 2-Propenenitrile, polymer with Ethenylbenzene | 25 - 50 | 9003-54-7 |
| | | |
| Titanium dioxide | 10 - 25 | 13463-67-7 |
| | | |
| | | |
| Silica, amorphous | 1 - 3 | 7631-86-9 |
| | | |
| Styrene | 0 - 0.3 | 100-42-5 |
| | | |
| | | |

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. Get medical attention if irritation occurs. |
|--------------|---|---|
| Inhalation | : | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. 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. Get medical attention if symptoms occur. |
| Ingestion | : | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

| Eye contact Inhalation Skin contact Ingestion <u>Over-exposure signs/symptoms</u> | : | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
|---|-------|--|
| Eye contact | : | No specific data. |
| Inhalation | : | No specific data. |
| Skin contact | : | No specific data. |
| Ingestion | : | No specific data. |
| Indication of immediate medical atte | entio | n and special treatment needed, if necessary |
| Notes to physician | : | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under madical surgeillance for 48 hours. |
| Specific treatments | : | medical surveillance for 48 hours. No specific treatment. |
| Protection of first-aiders | : | No action shall be taken involving any personal risk or without |

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suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

| Suitable extinguishing media Unsuitable extinguishing media | : | In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$. None known. |
|--|---|---|
| Specific hazards arising from the chemical | : | No specific fire or explosion hazard. |
| Hazardous thermal decomposition products | : | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides |
| Special protective actions for fire- fighters | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| 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, protective equipment and emergency procedures

| For non-emergency personnel For emergency responders | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. 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 and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

Methods and materials for containment and cleaning up



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| | |

| Small spill | : Move containers from spill area. Vacuum or sweep up material and |
|-------------|--|
| | place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Large spill | : Move containers from spill area. Prevent entry into sewers, water |
| | courses, basements or confined areas. Vacuum or sweep up material |
| | and place in a designated, labeled waste container. Dispose of via a |
| | licensed waste disposal contractor. Note: see Section 1 for emergency |
| | contact information and Section 13 for waste disposal. |

Section 7. Handling and storage

Precautions for safe handling

| Protective measures Advice on general occupational hygiene | : | Put on appropriate personal protective equipment (see Section 8). 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, including any 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. 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. |

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------|---|
| Styrene | OSHA PEL 1989 (1989-03-01) TWA 215 mg/m3 50 ppm STEL 425 mg/m3 100 ppm OSHA PEL Z2 (1993-06-30) TWA 100 ppm |

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| | CEIL 200 ppm CEIL 600 ppm NIOSH REL (1994-06-01) TWA 215 mg/m3 50 ppm STEL 425 mg/m3 100 ppm ACGIH TLV (1997-05-21) TWA 85 mg/m3 20 ppm STEL 170 mg/m3 40 ppm |
|---|--|
| Silica, amorphous | NIOSH REL (1994-06-01) TWA 6 mg/m3 |
| Titanium dioxide | OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3 |
| 2-Propenenitrile, polymer with Ethenylbenzene | None. |
| Appropriate engineering controls:Environmental exposure controls: | exposure to airborne contaminants. |
| Individual protection measures | |
| Hygiene measures : Eye/face protection : | 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.Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the |
| Skin protection | following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. |



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| 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. |
|------------------------|---|---|
| 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 | : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| 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

Appearance

| Color:BLUEOdor:Faint odor.Odor threshold:Not available.pH:Not available.Boiling 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) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.SADT:Not available.Viscosity:Dynamic: Not available. | Physical state | : | solid [Pellets.] |
|---|----------------------------------|---|--------------------------------|
| Odor threshold:Not available.pH:Not available.Melting point:Not available.Boiling point:Not available.Boiling 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.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | • | : | |
| pH:Not available.Melting point:Not available.Boiling 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 in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | Odor | : | Faint odor. |
| Melting point:Not available.Boiling point:Not available.Boiling point:Not available.Flash point:Not available.Burning time:Not available.Burning rate:Not available.Evaporation rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.I cower and upper explosive:Lower: Not available.(flammable) limits:Upper: Not available.Vapor pressure:Not available.Vapor density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | Odor threshold | : | 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.I cower and upper explosive:Lower: Not available.(flammable) limits:Upper: Not available.Vapor pressure:Not available.Vapor density:Not available.Vapor density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | рН | : | Not available. |
| Flash point:Not available.Burning time:Not available.Burning rate:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | Melting point | : | Not available. |
| Burning time:Not available.Burning rate:Not available.Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | Boiling point | : | Not available. |
| Burning rate:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | Flash point | : | Not available. |
| Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | Burning time | : | Not available. |
| Flammability (solid, gas):Not available.Lower and upper explosive:Lower: Not available.(flammable) limitsUpper: Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | Burning rate | : | Not available. |
| Lower and upper explosive (flammable) limitsLower: Not available.(flammable) limitsUpper: 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- octanol/water: Not available.Auto-ignition temperature SADT: Not available.SADT: Not available. | Evaporation rate | : | Not available. |
| (flammable) limitsUpper: 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- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available. | Flammability (solid, gas) | : | 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- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | Lower and upper explosive | : | Lower: Not available. |
| Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.SADT:Not available. | (flammable) limits | | Upper: Not available. |
| Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature Decomposition temperature SADT:Not available. | Vapor pressure | : | Not available. |
| Solubility : Not available. Solubility in water : insoluble in water. Partition coefficient: n- octanol/water : Not available. Auto-ignition temperature : Not available. Decomposition temperature : Not available. SADT : Not available. | Vapor density | : | Not available. |
| Solubility in water:insoluble in water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature Decomposition temperature SADT:Not available.SADT:Not available. | Relative density | : | Not available. |
| Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature Decomposition temperature SADT:Not available. | Solubility | : | Not available. |
| octanol/waterImage: Not available.Auto-ignition temperatureImage: Not available.Decomposition temperatureImage: Not available.SADTImage: Not available. | Solubility in water | : | insoluble in water. |
| Decomposition temperature:Not available.SADT:Not available. | | : | Not available. |
| SADT : Not available. | Auto-ignition temperature | : | Not available. |
| | Decomposition temperature | : | Not available. |
| Viscosity : Dynamic: Not available. | SADT | : | Not available. |
| | Viscosity | : | Dynamic: Not available. |

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Kinematic: 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. Oxidizer. |
| Hazardous decomposition products | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

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 | | |
|--------------------------------|---|-----------------------------|---------------|----------|--|--|
| Styrene | | | | | | |
| | LD50 Oral | Rat | 2,650 mg/kg | - | | |
| | LC50 Inhalation | Rat | 2,770 ppm | 4 h | | |
| | LC50 Inhalation | Rat | 11.8 Mg/l | 4 h | | |
| Remarks - Dermal: | No applicable toxic | city data | | | | |
| Silica, amorphous | Silica, amorphous | | | | | |
| Remarks - Oral: | No applicable toxicity data | | | | | |
| Remarks - Inhalation: | No applicable toxic | No applicable toxicity data | | | | |
| Remarks - Dermal: | No applicable toxicity data | | | | | |
| Titanium dioxide | Titanium dioxide | | | | | |
| Remarks - Oral: | No applicable toxic | city data | | | | |
| | LC50 Inhalation | Rat - Male | 6.82 Mg/l | 4 h | | |
| | LD50 Dermal | Rabbit | > 5,000 mg/kg | - | | |
| 2-Propenenitrile, polymer with | 2-Propenenitrile, polymer with Ethenylbenzene | | | | | |
| | LD50 Oral Rat 1,800 mg/kg - | | | | | |
| Remarks - Inhalation: | No applicable toxicity data | | | | | |
| Remarks - Dermal: | No applicable toxicity data | | | | | |



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Conclusion/Summary

Mixture.Not fully tested.

:

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---------------------------|-----------------------------|---------------|--------------|----------|-------------|
| Styrene | Eyes - Mild | Human | | | - |
| - | irritant | | | | |
| | Skin - Mild | Rabbit | | | - |
| | irritant | | | | |
| | Skin - | Rabbit | | | - |
| | Moderate | | | | |
| | irritant | | | | |
| | Eyes - Severe | Rabbit | | | - |
| | irritant | | | | |
| | Eyes - | Rabbit | | 24 hrs | - |
| | Moderate | | | | |
| | irritant | | | | |
| Silica, amorphous | Eyes - Mild | Rabbit | | 24 hrs | - |
| | irritant | | | | |
| Titanium dioxide | Skin - Mild | Human | | 72 hrs | - |
| irritant | | | | | |
| Conclusion/Summary | | | | | |
| Skin | : M | ixture.Not fu | illy tested. | | |
| Eyes | : Mixture.Not fully tested. | | | | |
| Respiratory | : Mixture.Not fully tested. | | | | |

Sensitization

| Conclusion/Summary | | |
|--------------------|---|---------------------------|
| Skin | : | Mixture.Not fully tested. |
| Respiratory | : | Mixture.Not fully tested. |
| | | |

Mutagenicity

Conclusion/Summary : Mixture.Not fully tested.

Carcinogenicity

| Conclusion/Summary Classification | : 1 | Mixture.Not fu | lly tested. |
|--------------------------------------|------|----------------|--|
| Product/ingredient | OSHA | IARC | NTP |
| name | | | |
| Styrene | | 2B | Reasonably anticipated to be a human carcinogen. |
| Silica, amorphous | | 3 | |
| Titanium dioxide | | 2B | |



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| 2-Propenenitrile, polymer | | 3 |
|---|--------|--|
| with Ethenylbenzene | | |
| | | |
| <u>Reproductive toxicity</u> | | |
| Conclusion/Summary | : | Mixture.Not fully tested. |
| Conclusion/Summary | • | Windure. Not fully tested. |
| <u>Teratogenicity</u> | | |
| | | |
| Conclusion/Summary | : | Mixture.Not fully tested. |
| Encoific target argen torisity (sing) | | |
| Specific target organ toxicity (sing) Not available. | le exp | <u>losti ej</u> |
| The available. | | |
| Specific target organ toxicity (repe | ated e | exposure) |
| Not available. | | |
| | | |
| Aspiration hazard | | |
| Not available. | | |
| Information on likely routes of | : | Not available. |
| exposure | • | |
| F | | |
| Potential acute health effects | | |
| | | |
| Eye contact | : | No known significant effects or critical hazards. |
| Inhalation | : | No known significant effects or critical hazards. |
| Skin contact | : | No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Ingestion | : | No known significant effects of critical hazards. |
| Symptoms related to the physical, c | hemi | cal and toxicological characteristics |
| | | |
| Eye contact | : | No specific data. |
| Inhalation | : | No specific data. |
| Skin contact | : | No specific data. |
| Ingestion | : | No specific data. |
| Deleved and immediate offects as | | abuania offersta from about and long town armanua |
| Delayed and immediate effects as w | en as | chronic effects from short and long-term exposure |
| Short term exposure | | |
| Short term exposta e | | |
| Potential immediate effects | : | Not available. |
| Potential delayed effects | : | Not available. |
| . . | | |
| Long term exposure | | |

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| Potential immediate effects Potential delayed effects | : | Not available. Not available. |
|--|---|---|
| Potential chronic health effects | | |
| Conclusion/Summary | : | Mixture.Not fully tested. |
| General | : | No known significant effects or critical hazards. |
| Carcinogenicity | : | No known significant effects or critical hazards. |
| 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 | : | No known significant effects or critical hazards. |
| - | | 6 |

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---------------------------|----------------------------------|------------------------|----------|
| Styrene | | | |
| | Acute LC50 4.02 Mg/l Fresh water | Fish - Fish | 96 h |
| Remarks - Acute - Fish: | Acute | | |
| | Acute EC50 0.0047 Mg/l Fresh | Aquatic invertebrates. | 48 h |
| | water | Daphnia | |
| Remarks - Acute - Aquatic | Acute | | |
| invertebrates.: | | | |
| | Acute LC50 52 Mg/l Marine water | Aquatic invertebrates. | 48 h |
| | | Crustaceans | |
| Remarks - Acute - Aquatic | Acute | | |
| invertebrates.: | | | |
| | Acute EC50 1.4 Mg/l Fresh water | Aquatic plants - Algae | 72 h |
| Remarks - Acute - Aquatic | Acute | | |
| plants: | | | |
| | Acute EC50 0.72 Mg/l Fresh water | Aquatic plants - Algae | 96 h |
| Remarks - Acute - Aquatic | Acute | | |
| | | | |



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| plants: | | | |
|---|---|------------------------|------|
| * | Acute NOEC 0.063 Mg/l Fresh Aquatic plants - Algae 96 h | | 96 h |
| | water | | |
| Remarks - Acute - Aquatic | Chronic | | • |
| plants: | | | |
| Remarks - Chronic - Fish: | No applicable toxicity data | | |
| Remarks - Chronic - | No applicable toxicity data | | |
| Aquatic invertebrates.: | | | |
| Silica, amorphous | | | |
| Remarks - Acute - Fish: | No applicable toxicity data | | |
| Remarks - Acute - Aquatic | No applicable toxicity data | | |
| invertebrates.: | | | |
| Remarks - Acute - Aquatic | No applicable toxicity data | | |
| plants: | | | |
| Remarks - Chronic - Fish: | No applicable toxicity data | | |
| Remarks - Chronic - | No applicable toxicity data | | |
| Aquatic invertebrates.: | | | |
| Titanium dioxide | | | |
| | Acute LC50 > 1,000 Mg/l Marine | Fish - Fish | 96 h |
| | water | | |
| Remarks - Acute - Fish: | Acute | | - |
| | Acute LC50 3 Mg/l Fresh water | Aquatic invertebrates. | 48 h |
| | | Crustaceans | |
| Remarks - Acute - Aquatic | Acute | | |
| invertebrates.: | | | |
| | Acute LC50 6.5 Mg/l Fresh water | Aquatic invertebrates. | 48 h |
| | | Daphnia | |
| Remarks - Acute - Aquatic | Acute | | |
| invertebrates.: | | | |
| Remarks - Acute - Aquatic | No applicable toxicity data | | |
| plants: | NT 1' 11 / ''' 1 / | | |
| Remarks - Chronic - Fish: | No applicable toxicity data | | |
| Remarks - Chronic - | No applicable toxicity data | | |
| Aquatic invertebrates.: | Ethonyilhongono | | |
| 2-Propenenitrile, polymer with Remarks - Acute - Fish: | | | |
| | No applicable toxicity data | | |
| Remarks - Acute - Aquatic invertebrates.: | No applicable toxicity data | | |
| | No applicable toxicity data | | |
| Remarks - Acute - Aquatic plants: | no applicable toxicity data | | |
| Remarks - Chronic - Fish: | No applicable toxicity data | | |
| Remarks - Chronic - Fish: | No applicable toxicity data | | |
| Aquatic invertebrates.: | The applicable toxicity data | | |
| Aquatic myer tebrates. | 1 | | |



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|-------------------------------|--|
| Remarks - Acute - Aquatic | Chemicals are not readily available as they are bound within the polymer matrix. |
| invertebrates.: | |
| Conclusion/Summary | : Chemicals are not readily available as they are bound within the |
| | polymer matrix. |
| | |
| Persistence and degradability | Ľ |
| Conclusion/Summary | : Chemicals are not readily available as they are bound within the |
| Concrusion Summary | polymer matrix. |
| | |

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-------|-----------|
| Styrene | 0.35 | 13.49 | low |

Mobility in soil

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

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. Empty 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



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Section 14. Transport information

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

Section 15. Regulatory information

| U.S. Federal regulations | : | United States - TSCA 12(b) - Chemical export notification: None of the components are listed. United States - TSCA 4(a) - Final Test Rules: Not listed United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Phthalocyanine Blue A explanitie |
|--------------------------|---|---|
| | | pollutants: Listed Phthalocyanine Blue Acrylonitrile United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Listed |
| | | United States - EPA Clean air act (CAA) section 112 - Accidental |

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

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

Not applicable.

:

Composition/information on ingredients

No products were found.

| Name | % | Classification |
|---------------------------|---------------|--|
| Styrene | > 0 - <= 0.3 | FLAMMABLE LIQUIDS - Category 3 |
| | | ACUTE TOXICITY - inhalation - Category 4 |
| | | SKIN IRRITATION - Category 2 |
| | | EYE IRRITATION - Category 2A |
| | | CARCINOGENICITY - Category 2 |
| | | |
| Silica, amorphous | >= 1 - <= 3 | EYE IRRITATION - Category 2B |
| | | |
| 2-Propenenitrile, polymer | >= 25 - <= 50 | ACUTE TOXICITY - oral - Category 4 |
| with Ethenylbenzene | | |
| Titanium dioxide | >= 10 - <= 25 | CARCINOGENICITY - Category 2 |
| | | - • |

SARA 313

| | Product name | CAS number | % |
|--------------------|--------------|------------|---------|
| Form R - Reporting | Styrene | 100-42-5 | 0 - 0.3 |
| 8 | ~ .) | | |





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| requirements | | | |
|-----------------------|---------|----------|---------|
| Supplier notification | Styrene | 100-42-5 | 0 - 0.3 |
| | | | |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

| State regulations | | |
|-------------------|---|--|
| Massachusetts | : | None of the components are listed. |
| New York | : | The following components are listed: Styrene |
| New Jersey | : | The following components are listed: 2-Propenenitrile, polymer with Ethenylbenzene Titanium dioxide Styrene |
| Pennsylvania | : | The following components are listed: Titanium dioxide Silica, amorphous |
| | | Styrene |

California Prop. 65

WARNING: This product can expose you to chemicals including Styrene, Titanium dioxide, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

| Ingredient name | No significant risk level | Maximum acceptable dosage level |
|------------------|---------------------------|------------------------------------|
| Styrene | No. | No. |
| Titanium dioxide | No. | No. |

| United States inventory (TSCA 8b) | : | All components are listed or exempted. |
|-----------------------------------|---|--|
| Canada inventory | : | Not determined. |
| International regulations | | |
| Inventory list | | |
| Australia | : | Not determined. |
| Canada | : | Not determined. |
| China | : | Not determined. |
| Europe inventory | : | Not determined. |
| | | |

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| 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 | / | 0 |
|------------------|---|---|
| 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 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.

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. History

| <u>HISTOLÄ</u> | | |
|--------------------------------|---|--|
| Date of printing | : | 06/08/2019 |
| Date of issue/Date of revision | : | 06/07/2019 |
| Date of previous issue | : | 00/00/0000 |
| Version | : | 1.0 |
| Key to abbreviations | : | ATE = Acute Toxicity Estimate |
| · | | BCF = Bioconcentration Factor |
| | | GHS = Globally Harmonized System of Classification and Labelling of |
| | | Chemicals |
| | | IATA = International Air Transport Association |
| | | IBC = Intermediate Bulk Container |
| | | IMDG = International Maritime Dangerous Goods |
| | | LogPow = logarithm of the octanol/water partition coefficient |
| | | MARPOL = International Convention for the Prevention of Pollution From |
| | | Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine |
| | | pollution) |
| | | UN = United Nations |
| References | : | Not available. |
| Notice to reader | | |

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