SAFETY DATA SHEET



Date of issue/Date of revision4 December 2023Version 22

| Section 1. Identification | |
|--|---|
| Product name | : DURANODIC 313 |
| Product code | : ZZ20-313 |
| Other means of identification | : Not available. |
| Product type | : Liquid. |
| Relevant identified uses of | the substance or mixture and uses advised against |
| Product use | : Industrial applications. |
| Use of the substance/ mixture | : Coating. Paints. Painting-related materials. |
| Uses advised against | : Not applicable. |
| Manufacturer <u>Emergency telephone</u> number | PPG Industries, Inc. One PPG Place, Pittsburgh, PA 15272 (412) 434-4515 (U.S.) (514) 645-1320 (Canada) |
| | SETÍQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México) |
| Technical Phone Number | : 1-800-647-6050 |

Section 2. Hazards identification

| OSHA/HCS status | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
|---|--|
| Classification of the substance or mixture | FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 21.3% (oral), 29.1% (dermal), 30.6% (inhalation) |

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Section 2. Hazards identification

This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

| GHS label elements | |
|-------------------------|---|
| Hazard pictograms | |
| Signal word | : Danger |
| Hazard statements | Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. (hearing organs) |
| Precautionary statement | <u>ts</u> |
| Prevention | : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling. |
| Response | IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. Photosensitive agents : In case of accidental eye contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation or blistering occurs after contact. In case of accidental skin contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention including burns may result. These reactions can be delayed – get medical attention including burns may result. These reactions can be delayed – get medical attention including burns may result. These reactions can be delayed – get medical attention including burns may result. These reactions can be delayed – get medical attention including burns may result. These reactions can be delayed – get medical attention including burns may result. These reactions can be delayed – get medical attention including burns may result. These reactions can be delayed – get medical attention including burns may result. These reactions can be delayed – get medical attention if pain, irritation, rash or blistering occurs after contact. |
| Storage | : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |

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Section 2. Hazards identification

| Supplemental label elements | : Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. |
|-------------------------------------|--|
| Hazards not otherwise classified | May form explosive peroxides. Hazardous reactions or instability may occur under certain conditions of storage or use. Prolonged or repeated contact may dry skin and cause irritation. |

Section 3. Composition/information on ingredients

| Substance/mixture | : Mixture |
|-------------------|-----------------|
| Product name | : DURANODIC 313 |

| Ingredient name | % | CAS number |
|---|--------------|------------|
| b utanone | ≥20 - ≤28 | 78-93-3 |
| toluene | ≥20 - ≤50 | 108-88-3 |
| xylene | ≥10 - ≤15 | 1330-20-7 |
| Talc , not containing asbestiform fibres | ≥5.0 - ≤10 | 14807-96-6 |
| Solvent naphtha (petroleum), light aromatic | ≥1.0 - ≤5.0 | 64742-95-6 |
| ethyl 3-ethoxypropionate | ≥1.0 - ≤5.0 | 763-69-9 |
| ethylbenzene | ≥0.10 - ≤2.7 | 100-41-4 |
| 1,2,4-trimethylbenzene | ≥0.10 - ≤2.3 | 95-63-6 |
| titanium dioxide | ≥1.0 - ≤5.0 | 13463-67-7 |
| carbon black | ≤1.0 | 1333-86-4 |
| n-butyl methacrylate | <1.0 | 97-88-1 |

SUB codes represent substances without registered CAS Numbers.

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.

Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

| Eye contact | : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. In case of accidental eye contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation or blistering occurs after contact. |
|-------------|--|
| Inhalation | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |

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| Section 4. First aid measures | | |
|-------------------------------|--|--|
| Skin contact | Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. In case of accidental skin contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation, rash or blistering occurs after contact. | |
| Ingestion | : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting. | |
| Most important symptor | ns/effects, acute and delayed | |
| Potential acute health | effects | |
| Eye contact | : Causes serious eye irritation. | |
| Inhalation | Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. | |
| Skin contact | : Causes skin irritation. Defatting to the skin. | |
| Ingestion | : Can cause central nervous system (CNS) depression. | |
| Over-exposure signs/s | | |
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness | |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations | |
| Skin contact | : Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations | |
| Ingestion | : Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations | |
| Indication of immediate | medical attention and special treatment needed, if necessary | |
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. | |
| Specific treatments | : No specific treatment. | |

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Section 4. First aid measures

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures **Extinguishing media** Suitable extinguishing : Use dry chemical, CO₂, water spray (fog) or foam. media **Unsuitable extinguishing** : Do not use water jet. media Specific hazards arising : Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur from the chemical and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. Hazardous thermal : Decomposition products may include the following materials: decomposition products carbon oxides metal oxide/oxides **Special protective actions** : 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 for fire-fighters training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fire-fighters should wear appropriate protective equipment and self-contained breathing **Special protective** 2 apparatus (SCBA) with a full face-piece operated in positive pressure mode. equipment for fire-fighters

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 suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. | |
| For emergency responders | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". | |
| Environmental precautions | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains 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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Section 6. Accidental release measures

| Small spill | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

Section 7. Handling and storage

Precautions for safe handling

| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|--|---|
| Special precautions | : May form explosive peroxides. Keep away from combustible materials. Avoid shock and friction. Avoid all possible sources of ignition (spark or flame). If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts. |
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Conditions for safe storage, including any incompatibilities | : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. 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. |

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Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|---|--|
| putanone | ACGIH TLV (United States, 1/2023). |
| | STEL: 885 mg/m ³ 15 minutes. |
| | STEL: 300 ppm 15 minutes. |
| | TWA: 590 mg/m ³ 8 hours. |
| | TWA: 200 ppm 8 hours. |
| | OSHA PEL (United States, 5/2018). |
| | TWA: 590 mg/m ³ 8 hours. |
| | TWA: 200 ppm 8 hours. |
| toluene | OSHA PEL Z2 (United States, 2/2013). |
| | AMP: 500 ppm 10 minutes. |
| | CEIL: 300 ppm |
| | TWA: 200 ppm 8 hours. |
| | ACGIH TLV (United States, 1/2023). |
| | Ototoxicant. |
| | TWA: 20 ppm 8 hours. |
| xylene | OSHA PEL (United States, 5/2018). |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | [Xylenes (o-, m-, p-isomers)] |
| | TWA: 435 mg/m ³ 8 hours. |
| | TWA: 100 ppm 8 hours. |
| | ACGIH TLV (United States, 1/2023). [p- |
| | xylene and mixtures containing p-xylene] |
| | |
| | Ototoxicant. |
| The second state is the second second for the second second second second second second second second second se | TWA: 20 ppm 8 hours. |
| Talc , not containing asbestiform fibres | ACGIH TLV (United States, 1/2023). |
| | TWA: 2 mg/m ³ 8 hours. Form: Respirable |
| | OSHA PEL Z3 (United States). |
| | TWA: 2 mg/m ³ |
| Solvent naphtha (petroleum), light aromatic | None. |
| ethyl 3-ethoxypropionate | IPEL (-). |
| | TWA: 50 ppm |
| | STEL: 100 ppm |
| ethylbenzene | ACGIH TLV (United States, 1/2023). |
| | Ototoxicant. |
| | TWA: 20 ppm 8 hours. |
| | OSHA PEL (United States, 5/2018). |
| | TWA: 435 mg/m ³ 8 hours. |
| | TWA: 100 ppm 8 hours. |
| 1,2,4-trimethylbenzene | ACGIH TLV (United States, 1/2023). |
| | TWA: 10 ppm 8 hours. |
| titanium dioxide | OSHA PEL (United States, 5/2018). |
| | TWA: 15 mg/m ³ 8 hours. Form: Total dust |
| | ACGIH TLV (United States, 1/2023). |
| | TWA: 2.5 mg/m ³ 8 hours. Form: respirable |
| | fraction, finescale particles |
| carbon black | ACGIH TLV (United States, 1/2023). |
| | TWA: 3 mg/m ³ 8 hours. Form: Inhalable |
| | fraction |
| | |
| | |
| | United States Page: 7/19 |

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| • | ure controis/personal p | |
|---------------------------------|--|--|
| | | OSHA PEL (United States, 5/2018). |
| | | TWA: 3.5 mg/m ³ 8 hours. |
| n-butyl methacrylate | | IPEL (-). |
| | | TWA: 50 ppm |
| | | STEL: 75 ppm |
| | | |
| A = Acceptable Maximum F | Key to abbreviations | S = Potential skin absorption |
| • | of Governmental Industrial Hygienists. | SR = Respiratory sensitization |
| C = Ceiling Limit | of Governmental industrial riggierists. | SS = Skin sensitization |
| F = Fume | | STEL = Short term Exposure limit values |
| IPEL = Internal Permissible Ex | knosure Limit | TD = Total dust |
| OSHA = Occupational Safety ar | | TLV = Threshold Limit Value |
| R = Respirable | | TWA = Time Weighted Average |
| • | 200 Subpart Z - Toxic and Hazardous Substances | 8 8 |
| Consult local authorities for | r acceptable exposure limits. | |
| Recommended monitoring | Reference should be made to appr | opriate monitoring standards. Reference to national |
| procedures | | for the determination of hazardous substances will |
| procedures | also be required. | |
| | also be required. | |
| Appropriate engineering | | Use process enclosures, local exhaust ventilation or |
| controls | recommended or statutory limits. vapor or dust concentrations below | worker exposure to airborne contaminants below any The engineering controls also need to keep gas, any lower explosive limits. Use explosion-proof |
| | ventilation equipment. | |
| Environmental exposure controls | | process equipment should be checked to ensure of environmental protection legislation. In some |
| | cases, fume scrubbers, filters or er | ngineering modifications to the process equipment |
| | will be necessary to reduce emission | |
| | | |
| Individual protection measu | | |
| Hygiene measures | | oroughly after handling chemical products, before |
| | | tory and at the end of the working period. |
| | | used to remove potentially contaminated clothing. |
| | | e reusing. Ensure that eyewash stations and safety |
| | showers are close to the workstation | on location. |
| Eye/face protection | : Chemical splash goggles. | |
| Skin protection | | |
| Hand protection | : Chemical-resistant, impervious glo | ves complying with an approved standard should be |

: 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.

: polyethylene

Gloves

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. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

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Section 8. Exposure controls/personal protection

| 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 | : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The respiratory protection shall be in accordance to 29 CFR 1910.134. |

Section 9. Physical and chemical properties

| <u>Appearance</u> | | | |
|--|---|-----------------------------|---------------------|
| Physical state | : | Liquid. | |
| Color | 1 | Not available. | |
| Odor | 1 | Not available. | |
| Odor threshold | : | Not available. | |
| рН | 4 | Not available. | |
| Melting point | 1 | Not available. | |
| Boiling point | 1 | >37.78°C (>100°F) | |
| Flash point | 1 | Closed cup: -9.44°C (15°F) | |
| Auto-ignition temperature | 1 | Not available. | |
| Decomposition temperature | 1 | Not available. | |
| Flammability | 1 | Not available. | |
| Lower and upper explosive (flammable) limits | 1 | Not available. | |
| Evaporation rate | : | Not available. | |
| Vapor pressure | : | Not available. | |
| Vapor density | : | Not available. | |
| Relative density | : | 0.98 | |
| Density(lbs / gal) | : | 8.18 | |
| | | Media | Result |
| Solubility(ies) | ł | cold water | Partially soluble |
| Partition coefficient: n- octanol/water | 1 | Not applicable. | |
| Viscosity | 1 | Kinematic (40°C (104°F)): > | >21 mm²/s (>21 cSt) |
| Volatility | 1 | 77% (v/v), 67.116% (w/w) | |
| % Solid. (w/w) | : | 32.884 | |
| | | | |

Product name DURANODIC 313

Section 10. Stability and reactivity

| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|---|
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8. |
| Incompatible materials | : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids. |
| Hazardous decomposition products | : Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---------------------------------|---------|-------------------------|----------|
| Jutanone | LD50 Dermal | Rabbit | 6480 mg/kg | - |
| | LD50 Oral | Rat | 2737 mg/kg | - |
| toluene | LC50 Inhalation Vapor | Rat | 49 g/m³ | 4 hours |
| | LD50 Dermal | Rabbit | 8.39 g/kg | - |
| | LD50 Oral | Rat | 5580 mg/kg | - |
| xylene | LD50 Dermal | Rabbit | 1.7 g/kg | - |
| - | LD50 Oral | Rat | 4.3 g/kg | - |
| Solvent naphtha (petroleum), light aromatic | LD50 Dermal | Rabbit | 3.48 g/kg | - |
| ight a officio | LD50 Oral | Rat | 8400 mg/kg | - |
| ethyl 3-ethoxypropionate | LD50 Dermal | Rabbit | >5 g/kg | - |
| | LD50 Oral | Rat | 3200 mg/kg | - |
| ethylbenzene | LC50 Inhalation Vapor | Rat | 17.8 mg/l | 4 hours |
| 5 | LD50 Dermal | Rabbit | 17.8 g/kg | - |
| | LD50 Oral | Rat | 3.5 g/kg | - |
| 1,2,4-trimethylbenzene | LC50 Inhalation Vapor | Rat | 18000 mg/m ³ | 4 hours |
| , , , , , , , , , , , , , , , , , , , | LD50 Oral | Rat | 5 g/kg | - |
| titanium dioxide | LC50 Inhalation Dusts and mists | Rat | >6.82 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| carbon black | LD50 Oral | Rat | >10 g/kg | - |
| n-butyl methacrylate | LC50 Inhalation Gas. | Rat | 4910 ppm | 4 hours |
| | LC50 Inhalation Vapor | Rat | 29000 mg/m ³ | 4 hours |
| | LD50 Dermal | Rabbit | 10.2 g/kg | - |
| | LD50 Oral | Rat | 16 g/kg | - |

Conclusion/Summary

: There are no data available on the mixture itself.

Product name DURANODIC 313

Section 11. Toxicological information

Irritation/Corrosion

| Product/ingredient name | Result | | Species | Score | Exposure | Observation |
|---------------------------|-------------|---------------|---------------------|-------------|--------------------|-------------|
| xylene | Skin - Mod | erate irritan | t Rabbit | - | 24 hours 500 mg | - |
| Conclusion/Summary | * | | | | | |
| Skin | : There are | e no data av | ailable on the mixt | ure itself. | | |
| Eyes | : There are | e no data av | ailable on the mixt | ure itself. | | |
| Respiratory | : There are | e no data av | ailable on the mixt | ure itself. | | |
| Sensitization | | | | | | |
| Conclusion/Summary | | | | | | |
| Skin | : There are | e no data av | ailable on the mixt | ure itself. | | |
| Respiratory | : There are | e no data av | ailable on the mixt | ure itself. | | |
| <u>Mutagenicity</u> | | | | | | |
| Conclusion/Summary | : There are | e no data av | ailable on the mixt | ure itself. | | |
| Carcinogenicity | | | | | | |
| Conclusion/Summary | : There are | e no data av | ailable on the mixt | ure itself. | | |
| Classification | | | | | | |
| Product/ingredient name | OSHA | IARC | NTP | | | |
| toluene | - | 3 | - | | | |
| xylene | - | 3 | - | | | |
| ethylbenzene | - | 2B | - | | | |
| titanium dioxide | - | 2B | - | | | |
| carbon black | - | 2B | - | | | |
| n-butyl methacrylate | - | 2B | - | | | |

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary

: There are no data available on the mixture itself.

Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

| Name | Category | Route of exposure | Target organs |
|---|------------|-------------------|---------------------------------|
| butanone | Category 3 | - | Narcotic effects |
| toluene | Category 3 | - | Narcotic effects |
| xylene | Category 3 | - | Respiratory tract irritation |
| Talc , not containing asbestiform fibres | Category 3 | - | Respiratory tract irritation |
| Solvent naphtha (petroleum), light aromatic | Category 3 | - | Narcotic effects |
| 1,2,4-trimethylbenzene | Category 3 | - | Respiratory tract |
| <u>.</u> | • | United S | tates Page: 11/19 |

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Section 11. Toxicological information

| n-butyl methacrylate | Category 3 | - | irritation Respiratory tract irritation |
|---|--------------------------|-------------------|---|
| Specific target organ toxicity (repeated exposu | <u>re)</u> | | |
| Name | Category | Route of exposure | Target organs |
| toluene ethylbenzene | Category 2 Category 2 | - | - hearing organs |

Category 2

Target organs

n-butyl methacrylate

: Contains material which causes damage to the following organs: brain, central nervous system (CNS).

Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, the reproductive system, liver, heart, peripheral nervous system, cardiovascular system, upper respiratory tract, skin, ears, eye, lens or cornea.

Aspiration hazard

| Name | Result |
|---|--|
| xylene Solvent naphtha (petroleum), light aromatic | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |

Information on the likely routes of exposure

Potential acute health effects

| Eye contact | : Causes serious eye irritation. |
|-------------------------|---|
| Inhalation | Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. |
| Skin contact | : Causes skin irritation. Defatting to the skin. |
| Ingestion | : Can cause central nervous system (CNS) depression. |
| Over-exposure signs/sym | <u>ptoms</u> |
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations |

United States

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Product name DURANODIC 313

Section 11. Toxicological information Skin contact : Adverse symptoms may include the following:

| been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and, in extreme cases, loss of consciousness. | Ingestion | irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths |
|---|------------------------------|--|
| Conclusion/Summary : There are no data available on the mixture itself. This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brust or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or muccus membrane may result in intration symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause initiation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as muccus membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigum muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There some evidence that repeated exposure to orgonic solvent vapors in combination with constant loud onise can cause greater hearing loss than exposure form exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. Short term exposure : There a | Delayed and immediate effe | |
| Potential immediate : There are no data available on the mixture itself. effects Potential delayed effects : There are no data available on the mixture itself. Long term exposure . There are no data available on the mixture itself. Potential immediate : There are no data available on the mixture itself. effects . There are no data available on the mixture itself. Potential delayed effects : There are no data available on the mixture itself. Potential delayed effects : There are no data available on the mixture itself. Potential chronic health effects : May cause damage to organs through prolonged or repeated exposure. Prolonged or | | There are no data available on the mixture itself. This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, |
| effects : There are no data available on the mixture itself. Long term exposure : There are no data available on the mixture itself. Potential immediate effects : There are no data available on the mixture itself. Potential delayed effects : There are no data available on the mixture itself. Potential delayed effects : There are no data available on the mixture itself. Potential chronic health effects : There are no data available on the mixture itself. General : May cause damage to organs through prolonged or repeated exposure. Prolonged or | | . There are no data available on the mixture itself |
| Long term exposure Potential immediate : There are no data available on the mixture itself. effects Potential delayed effects : There are no data available on the mixture itself. Potential chronic health effects General : May cause damage to organs through prolonged or repeated exposure. Prolonged or | | |
| Potential immediate : There are no data available on the mixture itself. effects Potential delayed effects : There are no data available on the mixture itself. Potential chronic health effects : There are no data available on the mixture itself. General : May cause damage to organs through prolonged or repeated exposure. Prolonged or | - | : There are no data available on the mixture itself. |
| effects Potential delayed effects : There are no data available on the mixture itself. Potential chronic health effects General : May cause damage to organs through prolonged or repeated exposure. Prolonged or | | |
| Potential chronic health effects General : May cause damage to organs through prolonged or repeated exposure. Prolonged or | | : There are no data available on the mixture itself. |
| General : May cause damage to organs through prolonged or repeated exposure. Prolonged or | - | |
| | Potential chronic health eff | <u>ects</u> |
| Carcinogenicity : | | |
| United States - Dares 42/40 | | • |

Product name DURANODIC 313

Section 11. Toxicological information

Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

- **Mutagenicity** : No known significant effects or critical hazards.
- **Reproductive toxicity**

: Suspected of damaging fertility or the unborn child.

Reproductive toxicity

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/ I) |
|---|------------------|-------------------|--------------------------------|----------------------------------|---|
| DURANODIC 313 | 6598.8 | 8130.6 | N/A | 48.4 | 6.0 |
| butanone | 2737 | 6480 | N/A | N/A | N/A |
| toluene | 5580 | 8390 | N/A | 49 | N/A |
| xylene | 4300 | 1700 | N/A | 11 | 1.5 |
| Solvent naphtha (petroleum), light aromatic | 8400 | 3480 | N/A | N/A | N/A |
| ethyl 3-ethoxypropionate | 3200 | N/A | N/A | N/A | N/A |
| ethylbenzene | 3500 | 17800 | N/A | 17.8 | 1.5 |
| 1,2,4-trimethylbenzene | 5000 | N/A | N/A | 18 | 1.5 |
| n-butyl methacrylate | 16000 | 10200 | 4910 | 29 | N/A |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|----------------------------------|--------------------------------|----------|
| Solvent naphtha (petroleum), light aromatic | Acute LC50 8.2 mg/l | Fish | 96 hours |
| ethyl 3-ethoxypropionate | Acute LC50 60.9 mg/l | Fish | 96 hours |
| ethylbenzene | Acute EC50 1.8 mg/l Fresh water | Daphnia | 48 hours |
| | Chronic NOEC 1 mg/l Fresh water | Daphnia - Ceriodaphnia dubia | - |
| titanium dioxide | Acute LC50 >100 mg/l Fresh water | Daphnia - <i>Daphnia magna</i> | 48 hours |

Persistence and degradability

| Product/ingredient name | Test | Result | | Dose | | Inoculum | |
|--|-------------------|--------------------------|-------------|------|--|----------|--|
| ethylbenzene | - | 79 % - Readily - 10 days | | - | | - | |
| Product/ingredient name | Aquatic half-life | · | Photolysis | | Biodegradability | | |
| vylene xylene ethyl 3-ethoxypropionate ethylbenzene | - - - - | | - - - | | Readily Readily Readily Readily | | |

Bioaccumulative potential

Product name DURANODIC 313

Section 12. Ecological information

| Product/ingredient name | LogPow | BCF | Potential | | | |
|--------------------------|--------|-------------|-----------|--|--|--|
| b utanone | 0.3 | - | Low | | | |
| toluene | 2.73 | 8.32 | Low | | | |
| xylene | 3.12 | 7.4 to 18.5 | Low | | | |
| ethyl 3-ethoxypropionate | 1.47 | - | Low | | | |
| ethylbenzene | 3.6 | 79.43 | Low | | | |
| 1,2,4-trimethylbenzene | 3.63 | 120.23 | Low | | | |
| n-butyl methacrylate | 2.99 | - | Low | | | |

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Section 13. Disposal considerations

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

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

| | DOT | IMDG | ΙΑΤΑ |
|--------------------------------|-----------------|-----------------|---------------------------|
| UN number | UN1263 | UN1263 | UN1263 |
| UN proper shipping name | PAINT | PAINT | PAINT |
| Transport hazard class (es) | 3 | 3 | 3 |
| Packing group | II | П | 11 |
| Environmental hazards | No. | No. | No. |
| Marine pollutant substances | Not applicable. | Not applicable. | Not applicable. |
| Product RQ (lbs) | 762.38 | Not applicable. | Not applicable. |
| | · | - | United States Page: 15/19 |

14. Transport information

Product name DURANODIC 313

14. Transport information

RQ substances

Not applicable.

Not applicable.

Additional information

- DOT : Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
- : None identified. IMDG
- : None identified. ΙΑΤΑ

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

Section 15. Regulatory information

United States

United States inventory (TSCA 8b) : All components are active or exempted.

United States - TSCA 5(a)2 - Final significant new use rules:

(xylene, toluene)

Listed

mercury SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification

: FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A **CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 2** SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HNOC - Defatting irritant HNOC - May form explosive peroxides.

Composition/information on ingredients

Product name DURANODIC 313

Section 15. Regulatory information

| Name | % | Classification |
|-----------------------------------|---------------------|---|
| butanone | ≥20 - ≤28 | FLAMMABLE LIQUIDS - Category 2 |
| | | EYE IRRITATION - Category 2A |
| | | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| | | (Narcotic effects) - Category 3 |
| | | HNOC - Defatting irritant |
| toluene | ≥20 - ≤50 | FLAMMABLE LIQUIDS - Category 2 |
| | | SKIN IRRITATION - Category 2 |
| | | TOXIC TO REPRODUCTION - Category 2 |
| | | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| | | (Narcotic effects) - Category 3 |
| | | SPECIFIC TARGET ORGAN TOXICITY (REPEATED |
| | | EXPOSURE) - Category 2 |
| | | ASPIRATION HAZARD - Category 1 |
| | | HNOC - Defatting irritant |
| xylene | ≥10 - ≤15 | FLAMMABLE LIQUIDS - Category 3 |
| | | ACUTE TOXICITY (dermal) - Category 4 |
| | | ACUTE TOXICITY (inhalation) - Category 4 |
| | | SKIN IRRITATION - Category 2 |
| | | EYE IRRITATION - Category 2A |
| | | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| | | (Respiratory tract irritation) - Category 3 |
| Tala wataawtainin a ahaatifawaa | >5.0 <10 | ASPIRATION HAZARD - Category 1 |
| Talc , not containing asbestiform | ≥5.0 - ≤10 | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| fibres | >10 <50 | (Respiratory tract irritation) - Category 3 |
| Solvent naphtha (petroleum), | ≥1.0 - ≤5.0 | FLAMMABLE LIQUIDS - Category 3 |
| light aromatic | | SKIN IRRITATION - Category 2 |
| | | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| | | (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 |
| | | HNOC - Defatting irritant |
| ethyl 3-ethoxypropionate | ≥1.0 - ≤5.0 | FLAMMABLE LIQUIDS - Category 3 |
| ettiyi 3-ettioxypropionate | ≥1.0 - ≤5.0 | HNOC - Defatting irritant |
| | | HNOC - May form explosive peroxides. |
| ethylbenzene | ≥0.10 - ≤2.7 | FLAMMABLE LIQUIDS - Category 2 |
| etityibenzene | 20.10 - 22.7 | ACUTE TOXICITY (inhalation) - Category 4 |
| | | CARCINOGENICITY - Category 2 |
| | | SPECIFIC TARGET ORGAN TOXICITY (REPEATED |
| | | EXPOSURE) - Category 2 |
| | | ASPIRATION HAZARD - Category 1 |
| | | HNOC - Defatting irritant |
| 1,2,4-trimethylbenzene | ≥0.10 - ≤2.3 | FLAMMABLE LIQUIDS - Category 3 |
| ·,_, · | | ACUTE TOXICITY (inhalation) - Category 4 |
| | | SKIN IRRITATION - Category 2 |
| | | EYE IRRITATION - Category 2A |
| | | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| | | (Respiratory tract irritation) - Category 3 |
| | 1 | HNOC - Defatting irritant |
| | | |
| titanium dioxide | ≥1.0 - ≤5.0 | CARCINOGENICITY - Category 2 |
| | ≥1.0 - ≤5.0 ≤1.0 | CARCINOGENICITY - Category 2 COMBUSTIBLE DUSTS |
| titanium dioxide carbon black | | CARCINOGENICITY - Category 2 COMBUSTIBLE DUSTS CARCINOGENICITY - Category 2 |
| | | CARCINOGENICITY - Category 2 COMBUSTIBLE DUSTS |
| carbon black | ≤1.0 | CARCINOGENICITY - Category 2 COMBUSTIBLE DUSTS CARCINOGENICITY - Category 2 |

Product name DURANODIC 313

Section 15. Regulatory information

| ACUTE TOXICITY (inhalation) - Category 4 |
|--|
| SKIN IRRITATION - Category 2 |
| EYE IRRITATION - Category 2A |
| SKIN SENSITIZATION - Category 1B |
| CARCINOGENICITY - Category 2 |
| SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| (Respiratory tract irritation) - Category 3 |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED |
| EXPOSURE) - Category 2 |
| HNOC - Defatting irritant |
| |

SARA 313

| | Chemical name | <u>CAS number</u> | Concentration |
|-----------------------|------------------------|-------------------|----------------------|
| Supplier notification | : toluene | 108-88-3 | 10 - 30 |
| | xylene | 1330-20-7 | 10 - 30 |
| | ethylbenzene | 100-41-4 | 1 - 5 |
| | 1,2,4-trimethylbenzene | 95-63-6 | 1 - 5 |
| | lead massive | 7439-92-1 | 0.00000606 |
| | mercury | 7439-97-6 | 0.00000606 |

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.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

California Prop. 65

MARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Section 16. Other information

| Hazardous Material Information System (U.S.A.) | | | | | | | | | |
|--|--------|---------|---|--------------|---|---|------------------|---|---|
| Health | : | 2 | * | Flammability | : | 3 | Physical hazards | : | 0 |
| (*) - Chro | onic e | effects | | | | | | | |

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 MSDSs 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.

National Fire Protection Association (U.S.A.)Health : 2Flammability : 3Instability : 0Date of previous issue: 9/28/2023Organization that prepared: EHSthe SDS

Product name DURANODIC 313

Section 16. Other information 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) N/A = Not available SGG = Segregation Group

UN = United Nations

Indicates information that has changed from previously issued version.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.