SAFETY DATA SHEET



| Date of issue 2 | 9 June 2021 |
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Version 7.02

Section 1. Product and company identification

| Product name |
|-------------------------------|
| Product code |
| Other means of identification |
| Product type |

- : AMERLOCK 2/400 HIGH HIDING YELLOW TINT
- : 00333654
- : Not available.
 - : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Coating. Paints. Painting-related materials.

| Uses advised against | Reason | |
|----------------------|--------|--|
| Not applicable. | | |

| Supplier's details: | |
|----------------------------|---|
| Supplier | PPG Industries Colombia Ltda Calle 51 # 40-13 Municipio de Itagüí Antioquia, Colombia (57) (4) 3787400 (Porteria) |
| Email address: | : HazComLatam@ppg.com |
| Emergency telephone number | : Colombia: 01 8000 916012 (CISPROQUIM) + 571 288 6012 (CISPROQUIM) Ecuador: 1800-59-3005 (CISPROQUIM) Peru: 080-050-847 (CISPROQUIM) |

Section 2. Hazards identification

| Classification of the substance or mixture | : FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 AQUATIC HAZARD (ACUTE) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 2 |
|--|--|
| Target organs | 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, lungs, cardiovascular system, upper respiratory tract, skin, eyes. |
| | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 11.7% |

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7.02

| GHS label elements | | |
|---|---|---|
| Hazard pictograms | : | |
| Signal word | : | Warning |
| Hazard statements | : | Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. |
| Precautionary statements | | |
| Prevention | : | Wear protective gloves. Wear 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. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling. |
| Response | : | Collect spillage. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash 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. |
| Storage | : | Store in a well-ventilated place. Keep cool. |
| Disposal | : | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Other hazards which do not result in classification | : | Frolonged or repeated contact may dry skin and cause irritation. |

Section 3. Composition/information on ingredients

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

CAS number/other identifiers

| CAS number : Not applicable. | | |
|--|------------|------------|
| Ingredient name | % | CAS number |
| ቓis-[4-(2,3-epoxipropoxi)phenyl]propane | 60 - 100 | 1675-54-3 |
| Talc, not containing asbestiform fibers | 10 - <12.5 | 14807-96-6 |
| titanium dioxide | 3 - <5 | 13463-67-7 |
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | 3 - <5 | 68515-49-1 |
| Solvent naphtha (petroleum), light aromatic | 2 - <3 | 64742-95-6 |
| 1,2,4-trimethylbenzene | 1 - <2 | 95-63-6 |

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.

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Section 3. Composition/information on ingredients

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

SUB codes represent substances without registered CAS Numbers.

Section 4. First aid measures

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. | |
|--|------|---|--|
| 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. | |
| 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. | |
| Ingestion | : | If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting. | |
| Indication of immediate med | lica | l attention and special treatment needed, if necessary | |
| Notes to physician Specific treatments | | 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. No specific treatment. | |
| Protection of first-aiders | : | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. | |
| Potential acute health effects | | | |
| Eye contact Inhalation Skin contact Ingestion | : | Causes serious eye irritation. No known significant effects or critical hazards. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. No known significant effects or critical hazards. | |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|--|---|
| Suitable extinguishing media | : Use dry chemical, CO ₂ , water spray (fog) or foam. |
| Unsuitable extinguishing media | : Do not use water jet. |
| Specific hazards arising from the chemical | : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides |

7.02

| Code | 00333654 | Date of issue | 29 June 2021 | Version | 7.02 |
|-------------|----------|---------------------------------------|--------------|---------|------|
| Product nam | ie A | MERLOCK 2/400 HIGH HIDING YELLOW TINT | | | |

Section 5. Fire-fighting measures

| Special protective actions | : Promptly isolate the scene by removing all persons from the vicinity of the incident if |
|-----------------------------|---|
| for fire-fighters | there is a fire. No action shall be taken involving any personal risk or without |
| - | suitable training. Move containers from fire area if this can be done without risk. |
| | Use water spray to keep fire-exposed containers cool. |
| Special protective | : Fire-fighters should wear appropriate protective equipment and self-contained |
| equipment for fire-fighters | breathing apparatus (SCBA) with a full face-piece operated in positive pressure |
| | mode. |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | : | No action shall be taken involving any personal risk or without 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and materials for containment and cleaning up

 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 : Fut on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. 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,

Section 7. Handling and storage

| | 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. |
|--|--|
| Conditions for safe storage, including any incompatibilities | : Do not store above the following temperature: 50°C (122°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. 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. See Section 10 for incompatible materials before handling or use. |

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits ACGIH TLV (United States, 3/2020). TWA: 2 mg/m³ 8 hours. Form: Respirable ACGIH TLV (United States, 3/2020). TWA: 10 mg/m³ 8 hours. | | |
|---|---|--|--|
| ✓alc, not containing asbestiform fibers | | | |
| titanium dioxide | | | |
| | | | |
| 1,2,4-trimethylbenzene | ACGIH TLV (United States, 3/2020). | | |
| | TWA: 123 mg/m ³ 8 hours. | | |
| | TWA: 25 ppm 8 hours. | | |
| Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectivene of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring | | | |

protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

- Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- **Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products,
before eating, smoking and using the lavatory and at the end of the working period.
Appropriate techniques should be used to remove potentially contaminated clothing.
Contaminated work clothing should not be allowed out of the workplace. Wash
contaminated clothing before reusing. Ensure that eyewash stations and safety
showers are close to the workstation location.

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Section 8. Exposure controls/personal protection

| | | p p |
|------------------------|---|---|
| Eye protection | 1 | Chemical splash goggles. |
| Skin protection | | |
| Hand protection | | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Gloves | 1 | butyl rubber |
| 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 anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. |
| 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. |
| | | |

Section 9. Physical and chemical properties

| | English (US) Colombia | 6/13 |
|--|---|------|
| Auto-ignition temperature | : Not available. | |
| Partition coefficient: n- octanol/water | : Not applicable. | |
| Water Solubility at room temperature | : 0 g/l | |
| Solubility | : Insoluble in the following materials: cold water. | |
| Relative density | : 1.27 | |
| Vapor density | : Not available. | |
| Vapor pressure | : <mark>1∕.</mark> 1 kPa (8 mm Hg) | |
| Lower and upper explosive (flammable) limits | : Not available. | |
| Flammability (solid, gas) | : Not available. | |
| Evaporation rate | : 0.4 (butyl acetate = 1) | |
| Flash point | : Closed cup: 55°C (131°F) | |
| Boiling point | : >37.78°C (>100°F) | |
| Melting point | : Not available. | |
| рН | : Not applicable. | |
| Odor | : Characteristic. | |
| Color | : Yellow. | |
| Physical state | : Liquid. | |
| Appearance | | |

7.02

| Code 00333654 | Date of issue | 29 June 2021 | Version 7.02 |
|------------------------------------|--|------------------------------|-----------------------------|
| Product name AMERLOC | K 2/400 HIGH HIDING YELLOW TINT | | |
| Section 9. Physica | al and chemical prope | rties | |
| Decomposition temperature | : Not available. | | |
| Viscosity | : K inematic (40°C (104°F)): >21 m | ım²/s (>21 cSt) | |
| Section 10. Stabil | ity and reactivity | | |
| Reactivity | : No specific test data related to re | eactivity available for this | product or its ingredients. |
| Chemical stability | : The product is stable. | | |
| Possibility of hazardous reactions | : Under normal conditions of stora | ge and use, hazardous re | eactions will not occur. |
| Conditions to avoid | : When exposed to high temperate products. | ures may produce hazard | lous decomposition |
| Incompatible materials | : Keep away from the following ma oxidizing agents, strong alkalis, s | | exothermic reactions: |

Hazardous decomposition products and include the following materials: carbon oxides nitrogen oxides metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---------------------------------|---------|-------------------------|----------|
| øis-[4-(2,3-epoxipropoxi) phenyl]propane | LD50 Dermal | Rabbit | 23000 mg/kg | - |
| | LD50 Oral | Rat | 15000 mg/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 | - |
| 1,2-Benzenedicarboxylic | LD50 Dermal | Rabbit | 16000 mg/kg | - |
| acid, di-C9-11-branched | | | | |
| alkyl esters, C10-rich | | | | |
| - | LD50 Oral | Rat | >60000 mg/kg | - |
| Solvent naphtha (petroleum), light aromatic | LD50 Dermal | Rabbit | 3.48 g/kg | - |
| • | LD50 Oral | Rat | 8400 mg/kg | - |
| 1,2,4-trimethylbenzene | LC50 Inhalation Vapor | Rat | 18000 mg/m ³ | 4 hours |
| - | LD50 Oral | Rat | 5 g/kg | - |

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

Observation Product/ingredient name Species Score Result Exposure 0.4 24 hours bis-[4-(2,3-epoxipropoxi) Eyes - Redness of the Rabbit phenyl]propane conjunctivae Eyes - Mild irritant Rabbit 24 hours Skin - Erythema/Eschar Rabbit 0.8 4 hours _ Skin - Edema 0.5 4 hours Rabbit -Skin - Mild irritant Rabbit 4 hours

Conclusion/Summary

| _ | | | | _ |
|-----|---------|-------------------|-----|---|
| Enc | ilish (| (\mathbf{S}) | • • | |
| | 1311 | | | - |

Colombia

| ode 00333654 roduct name AMERLOCH | (2/400 HIGH F | | Date of issue LLOW TINT | 2 | 9 June 2021 | Version | 7.02 |
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| Section 11. Toxico | ologica | l info | rmation | | | | |
| Skin | - | | a available on t | he mixture | e itself. | | |
| Eyes | : There ar | re no dat | a available on t | he mixture | e itself. | | |
| Respiratory | : There ar | re no dat | a available on f | he mixture | e itself. | | |
| ensitization | - | | | | | | |
| Product/ingredient name | Route of exposure | : | Species | | Result | | |
| ois-[4-(2,3-epoxipropoxi) bhenyl]propane | skin | | Vouse | | Sensitizing | | |
| Conclusion/Summary | | | | | | | |
| Skin | | | a available on f | | | | |
| Respiratory | : There ar | re no dat | a available on t | he mixture | e itself. | | |
| lutagenicity | | | | | | | |
| Not available. | | | | | | | |
| Conclusion/Summary | : There ar | re no dat | a available on t | he mixture | e itself. | | |
| arcinogenicity | | | | | | | |
| Not available. | | | | | | | |
| Conclusion/Summary <u>Classification</u> | : There ar | re no dat | a available on t | he mixture | e itself. | | |
| Product/ingredient name | OSHA | IARC | NTP | | | | |
| s-[4-(2,3-epoxipropoxi) | - | 3 | - | | | | |
| phenyl]propane titanium dioxide | _ | 2B | _ | | | | |
| Carcinogen Classification | code: | | | | | | |
| IARC: 1, 2A, 2B, 3, 4 NTP: Known to be OSHA: + Not listed/not regul | l a human carci | inogen; R | easonably anticip | ated to be a | human carcinogen | | |
| eproductive toxicity | | | | | | | |
| Not available. | | | | | | | |
| Conclusion/Summary | : There ar | re no dat | a available on f | he mixture | e itself. | | |
| <u>eratogenicity</u> | | | | | | | |
| Not available. | | | | | | | |
| Conclusion/Summary | : There ar | re no dat | a available on t | he mixture | e itself. | | |
| pecific target organ toxicit | <u>y (single ex</u> | (posure) | 1 | | | | |
| Name | | | Cate | gory | Route of exposure | Target or | gans |
| alc, not containing asbestifo | rm fibers | | Cate | gory 3 | - | Respirato | ry tract |
| Solvent naphtha (petroleum), | light aromat | tic | Cate | gory 3 | - | irritation Respirator irritation | ry tract |
| I,2,4-trimethylbenzene | | | | gory 3 gory 3 | - | Narcotic e Respirator irritation | |
| | | | | Englis | h (US) Colombia | | 8/ |
| | | | | | x = - / | | . |

| Code | 00333654 | Date of issue | 29 June 2021 | Version | 7.02 |
|-------------|----------|--|--------------|---------|------|
| Product nam | e | AMERLOCK 2/400 HIGH HIDING YELLOW TINT | | | |

Section 11. Toxicological information

Specific target organ toxicity (repeated exposure)

Not available.

Target organs

: 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, lungs, cardiovascular system, upper respiratory tract, skin, eyes.

Aspiration hazard

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

| Information on the likely routes of exposure | : Not available. |
|--|---|
| Potential acute health effec | |
| Eye contact | : Causes serious eye irritation. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. |
| Ingestion | : No known significant effects or critical hazards. |
| | sical, chemical and toxicological characteristics |
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : No specific data. |
| Skin contact | : Adverse symptoms may include the following: irritation redness dryness cracking |
| Ingestion | : No specific data. |
| Delayed and immediate effe | ts and also chronic effects from short and long term exposure |

Conclusion/Summary
 There are no data available on the mixture itself. For many PPG 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). 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. 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

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|--|--------------|----------|--|

| Code | 00333654 | Date of issue | 29 June 2021 | Version | 7.02 |
|-------------|----------|--|--------------|---------|------|
| Product nam | ne | AMERLOCK 2/400 HIGH HIDING YELLOW TINT | | | |

Section 11. Toxicological information

| | 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. Ingestion may cause nausea, diarrhea and vomiting. 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, inhalation and dermal routes of exposure and eye contact. |
|------------------------------|--|
| <u>Short term exposure</u> | |
| Potential immediate effects | : There are no data available on the mixture itself. |
| Potential delayed effects | : There are no data available on the mixture itself. |
| <u>Long term exposure</u> | |
| 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 chronic health eff | ects |
| Not available. | |
| General | Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ |

| | or dermatitis. Once sensitized, a severe allergic reaction may occur when |
|-----------------------|---|
| | subsequently exposed to very low levels. |
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : No known significant effects or critical hazards. |

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/l) |
|---|--------------------------|----------------------------|--------------------------------|----------------------------------|--|
| MERLOCK 2/400 HIGH HIDING YELLOW TINT bis-[4-(2,3-epoxipropoxi)phenyl]propane 1,2-Benzenedicarboxylic acid, di-C9-11-branched | 424719.6 15000 N/A | 131485.5 23000 16000 | N/A N/A N/A | 138.4 N/A N/A | 11.5 N/A N/A |
| alkyl esters, C10-rich Solvent naphtha (petroleum), light aromatic 1,2,4-trimethylbenzene | 8400 5000 | 3480 N/A | N/A N/A | N/A 18 | N/A 1.5 |

Other information

: Not available.

| Code | 00333654 | Date of issue | 29 June 2021 | Version | 7.02 |
|-------------|----------|--|--------------|---------|------|
| Product nam | е | AMERLOCK 2/400 HIGH HIDING YELLOW TINT | | | |

Section 12. Ecological information

| Ecotoxicity | | | | | | | |
|---|----------------------------------|-------------------------|----------|--|--|--|--|
| Product/ingredient name | Result | Species | Exposure | | | | |
| øs-[4-(2,3-epoxipropoxi) phenyl]propane | Acute LC50 1.8 mg/l Fresh water | Daphnia - daphnia magna | 48 hours | | | | |
| | Chronic NOEC 0.3 mg/l | Daphnia | 21 days | | | | |
| titanium dioxide | Acute LC50 >100 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours | | | | |
| Solvent naphtha (petroleum), light aromatic | Acute LC50 8.2 mg/l | Fish | 96 hours | | | | |

Persistence/degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| bis-[4-(2,3-epoxipropoxi) phenyl]propane | - | - | Not readily |

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|--|--------|--------|-----------|
| ✓,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | 8.8 | - | high |
| 1,2,4-trimethylbenzene | 3.63 | 120.23 | low |

Mobility in soil

| Soil/water partition | : Not available. |
|----------------------|------------------|
| coefficient (Koc) | |

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. 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 |
|------------------|--|
| | |

| Code | 00333654 | Date of issue | 29 June 2021 | Version | 7.02 |
|-------------|----------|--|--------------|---------|------|
| Product nam | e | AMERLOCK 2/400 HIGH HIDING YELLOW TINT | | | |

Section 14. Transport information

| | UN | Brazil (ANTT) | IMDG | ΙΑΤΑ |
|--------------------------------|---|---|---|---|
| UN number | UN1263 | UN1263 | UN1263 | UN1263 |
| UN proper shipping name | PAINT | PAINT | PAINT | PAINT |
| Transport hazard class(es) | 3 | 3 | 3 | 3 |
| Packing group | III | III | | III |
| Environmental hazards | Yes. The environmentally hazardous substance mark is not required. | Yes. The environmentally hazardous substance mark is not required. | Yes. | Yes. The environmentally hazardous substance mark is not required. |
| Marine pollutant substances | Not applicable. | Not applicable. | (bis-[4- (2,3-epoxipropoxi) phenyl]propane, Solvent naphtha (petroleum), light aromatic) | Not applicable. |

| Additional inform | nation | | |
|-------------------|--|--|--|
| UN | : None identified. | | |
| Brazil | : None identified. | | |
| Risk number | : 30 | | |
| IMDG | : The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg. | | |
| ΙΑΤΑ | : The environmentally hazardous substance mark may appear if required by other transportation regulations. | | |
| Special precautic | ons 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

Safety, health and environmental regulations specific for the product : No known specific national and/or regional regulations applicable to this product (including its ingredients).

Section 16. Other information

| <u>History</u> | |
|------------------------|---|
| Date of previous issue | : 6/7/2020 |
| Version | : 7.02 EHS |
| Key to abbreviations | ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association 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) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations |
| References | ABNT NBR 14725-4: 2014 ANTT - National Land Transportation Agency |

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.