

SAFETY DATA SHEET



Date of issue/Date of revision

: 25 October 2023

Version

: 1.01

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : PPG AQUACOVER 25 BUFF
Product code : 00173148
Product description :
Product type : Liquid.
Other means of identification : Not available.

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

Product use : Professional applications, Used by spraying.
Use of the substance/mixture : Coating.
Uses advised against : Product is not intended, labelled or packaged for consumer use.

1.3 Details of the supplier of the safety data sheet

PPG Coatings Belgium BV/SRL
Tweemontstraat 104
B-2100 Deurne
Belgium
Telephone +32-33606311
Fax +32-33606435

e-mail address of person responsible for this SDS : Product.Stewardship.EMEA@ppg.com

1.4 Emergency telephone number

Supplier

+31 20 4075210

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Repr. 1B, H360FD
Aquatic Chronic 2, H411

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



Signal word

: Danger

Hazard statements

: May damage fertility. May damage the unborn child.
Toxic to aquatic life with long lasting effects.

Precautionary statements

| | | | |
|-----------------------|------------|--------------------------------|-------------------|
| Code | : 00173148 | Date of issue/Date of revision | : 25 October 2023 |
| PPG AQUACOVER 25 BUFF | | | |

SECTION 2: Hazards identification

| | |
|--|---|
| Prevention | : Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment. |
| Response | : Collect spillage. IF exposed or concerned: Get medical advice or attention. |
| Storage | : Not applicable. |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. P202, P280, P273, P391, P308 + P313, P501 |
| Supplemental label elements | : Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Restricted to professional users. |
| Special packaging requirements | |
| Containers to be fitted with child-resistant fastenings | : Not applicable. |
| Tactile warning of danger | : Not applicable. |
| 2.3 Other hazards | |
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification | : None known. |

SECTION 3: Composition/information on ingredients

| Mixture | | | | |
|--|---|---------------------|---|---------|
| 3.2 Mixtures | | | | |
| Product/ingredient name | Identifiers | % | Classification | Type |
| Barium diboron tetraoxide | REACH #: 01-2119983530-36 EC: 237-222-4 CAS: 13701-59-2 Index: 056-005-00-3 | ≥1.0 - <5.0 | Acute Tox. 3, H301 Acute Tox. 4, H332 Repr. 1B, H360FD (oral) | [1] [2] |
| trizinc bis(orthophosphate) | REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6 | ≥1.0 - ≤5.0 | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] |
| 2-(2-butoxyethoxy)ethanol | REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8 | ≥1.0 - ≤5.0 | Eye Irrit. 2, H319 | [1] [2] |
| zinc oxide | REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7 | ≥1.0 - ≤5.0 | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and | REACH #: 01-2120764691-48 | <0.0015 | Acute Tox. 3, H301 Acute Tox. 2, H310 | [1] |
| English (GB) | | United Kingdom (UK) | | 2/14 |

Code : 00173148
PPG AQUACOVER 25 BUFF

Date of issue/Date of revision : 25 October 2023

SECTION 3: Composition/information on ingredients

| | | | | |
|------------------------------------|---|--|---|--|
| 2-methyl-2H-isothiazol-3-one (3:1) | EC: 911-418-6 CAS: 55965-84-9 Index: 613-167-00-5 | | Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 See Section 16 for the full text of the H statements declared above. | |
|------------------------------------|---|--|---|--|

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

This mixture contains $\geq 1\%$ of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

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

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

4.1 Description of 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 recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : ☒ No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : ☒ Adverse symptoms may include the following:
reduced foetal weight
increase in foetal deaths
skeletal malformations

| | |
|------------------------------|---|
| Code : 00173148 | Date of issue/Date of revision : 25 October 2023 |
| PPG AQUACOVER 25 BUFF | |

SECTION 4: First aid measures

- Skin contact** : Adverse symptoms may include the following:
reduced foetal weight
increase in foetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced foetal weight
increase in foetal deaths
skeletal malformations

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst. 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 combustion products** : Decomposition products may include the following materials:
carbon oxides
phosphorus oxides
metal oxide/oxides

5.3 Advice for firefighters

- 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

6.1 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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised 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".

6.2 Environmental precautions

- : Avoid dispersal of spilt 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.

Code : 00173148
PPG AQUACOVER 25 BUFF

Date of issue/Date of revision : 25 October 2023

SECTION 6: Accidental release measures

6.3 Methods and material for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the 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 spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
 See Section 8 for information on appropriate personal protective equipment.
 See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 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 ingest. Avoid breathing vapour or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- 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.

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 5 to 35°C (41 to 95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

Code : 00173148
PPG AQUACOVER 25 BUFF

Date of issue/Date of revision : 25 October 2023

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|---------------------------|---|
| barium diboron tetraoxide | EH40/2005 WELs (United Kingdom (UK), 1/2020). [barium compounds, soluble as Ba] TWA: 0.5 mg/m ³ , (as Ba) 8 hours. |
| 2-(2-butoxyethoxy)ethanol | EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 15 ppm 15 minutes. TWA: 10 ppm 8 hours. TWA: 67.5 mg/m ³ 8 hours. STEL: 101.2 mg/m ³ 15 minutes. |
| Product/ingredient name | Exposure indices |

Recommended monitoring procedures : 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.

DNELs/DMELs

| Product/ingredient name | Type | Exposure | Value | Population | Effects |
|---|------|-----------------------|-------------------------|--------------------|----------|
| barium diboron tetraoxide | DNEL | Long term Oral | 0.4 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Oral | 0.5 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 0.6 mg/m ³ | General population | Systemic |
| | DNEL | Short term Inhalation | 0.9 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 2.5 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 3.5 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Inhalation | 3.5 mg/m ³ | Workers | Systemic |
| | DNEL | Short term Dermal | 5 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 7 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Dermal | 10 mg/kg bw/day | Workers | Systemic |
| trizinc bis(orthophosphate) | DNEL | Long term Oral | 0.83 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 2.5 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 5 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 83 mg/kg bw/day | General population | Systemic |
| 2-(2-butoxyethoxy)ethanol | DNEL | Long term Dermal | 83 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Oral | 6.25 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 67.5 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 101.2 mg/m ³ | Workers | Local |
| zinc oxide | DNEL | Long term Inhalation | 0.5 mg/m ³ | Workers | Local |
| | DNEL | Long term Oral | 0.83 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 2.5 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 5 mg/m ³ | Workers | Systemic |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | DNEL | Long term Dermal | 83 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 83 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 0.02 mg/m ³ | General population | Local |
| | DNEL | Long term Inhalation | 0.02 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 0.04 mg/m ³ | General population | Local |
| | DNEL | Short term Inhalation | 0.04 mg/m ³ | Workers | Local |
| | DNEL | Long term Oral | 0.09 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Oral | 0.11 mg/kg bw/day | General population | Systemic |

PNECs

Code : 00173148
PPG AQUACOVER 25 BUFF

Date of issue/Date of revision : 25 October 2023

SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Compartment Detail | Value | Method Detail |
|-----------------------------|------------------------|----------------|--------------------------|
| trizinc bis(orthophosphate) | Fresh water | 20.6 µg/l | Sensitivity Distribution |
| | Marine water | 6.1 µg/l | Sensitivity Distribution |
| | Sewage Treatment Plant | 100 µg/l | Assessment Factors |
| | Fresh water sediment | 117.8 mg/kg dw | Sensitivity Distribution |
| | Marine water sediment | 56.5 mg/kg dw | Equilibrium Partitioning |
| 2-(2-butoxyethoxy)ethanol | Soil | 35.6 mg/kg dw | Sensitivity Distribution |
| | Fresh water | 1.1 mg/l | Assessment Factors |
| | Marine water | 0.11 mg/l | Assessment Factors |
| | Sewage Treatment Plant | 200 mg/l | Assessment Factors |
| | Fresh water sediment | 4.4 mg/kg dw | Equilibrium Partitioning |
| zinc oxide | Marine water sediment | 0.44 mg/kg dw | Equilibrium Partitioning |
| | Soil | 0.32 mg/kg dw | Equilibrium Partitioning |
| | Fresh water | 20.6 µg/l | Sensitivity Distribution |
| | Marine water | 6.1 µg/l | Sensitivity Distribution |
| | Fresh water sediment | 117 mg/kg dw | Sensitivity Distribution |
| | Sewage Treatment Plant | 52 µg/l | Assessment Factors |
| | Marine water sediment | 56.5 mg/kg dw | Assessment Factors |
| | Soil | 35.6 mg/kg dw | Sensitivity Distribution |

8.2 Exposure controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety glasses with side shields.

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. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Gloves : For prolonged or repeated handling, use the following type of gloves:

Recommended: nitrile rubber, Chloroprene, Viton®, 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.

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 :

| | |
|------------------------------|---|
| Code : 00173148 | Date of issue/Date of revision : 25 October 2023 |
| PPG AQUACOVER 25 BUFF | |

SECTION 8: Exposure controls/personal 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. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3

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

SECTION 9: Physical and chemical properties


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

9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Appearance | |
| Physical state | : Liquid. |
| Colour | : Various |
| Odour | : Amine-like. |
| Odour threshold | : Not available. |
| Melting point/freezing point | : May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water. Weighted average: -9.04°C (15.7°F) |
| Initial boiling point and boiling range | : >37.78°C (>100°F) |
| Flammability (solid, gas) | : liquid |
| Upper/lower flammability or explosive limits | : Greatest known range: Lower: 0.8% Upper: 9.4% (2-(2-butoxyethoxy)ethanol) |
| Flash point | : Closed cup: Not applicable. |
| Auto-ignition temperature | : 225°C (437°F) |
| Decomposition temperature | : |
| pH | : Not available. |
| Viscosity | : Kinematic (40°C): >21 mm²/s |
| Solubility(ies) | : |

| Media | Result |
|------------|-------------------|
| cold water | Partially soluble |

| | |
|--|-------------------|
| Miscible with water | : Yes. |
| Partition coefficient: n-octanol/ water | : Not applicable. |
| Vapour pressure | : |

| Ingredient name | Vapour Pressure at 20°C | | | Vapour pressure at 50°C | | |
|---|-------------------------|-----|--------|-------------------------|-----|--------|
| | mm Hg | kPa | Method | mm Hg | kPa | Method |
|  water | 17.5 | 2.3 | | | | |

| | |
|---------------------------------|--|
| Relative density | : 1.37 |
| Vapour density | : Highest known value: 7.5 (Air = 1) (isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol). Weighted average: 6.55 (Air = 1) |
| Explosive properties | : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible. |
| Oxidising properties | : Product does not present an oxidizing hazard. |
| Particle characteristics | : |
| Median particle size | : Not applicable. |

Code

: 00173148

Date of issue/Date of revision

: 25 October 2023

PPG AQUACOVER 25 BUFF

SECTION 9: Physical and chemical properties

SECTION 10: Stability and reactivity

10.1 Reactivity

: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

: The product is stable.

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

: When exposed to high temperatures may produce hazardous decomposition products.
Refer to protective measures listed in sections 7 and 8.

10.5 Incompatible materials

: Keep away from the following materials to prevent strong exothermic reactions:
oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products

: Depending on conditions, decomposition products may include the following materials: carbon oxides phosphorus oxides metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---------------------------------|---------|-------------|----------|
| barium diboron tetraoxide | LC50 Inhalation Dusts and mists | Rat | 1.5 mg/l | 4 hours |
| trizinc bis(orthophosphate) | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| | LD50 Oral | Rat | 100 mg/kg | - |
| 2-(2-butoxyethoxy)ethanol | LC50 Inhalation Dusts and mists | Rat | >5.7 mg/l | 4 hours |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| zinc oxide | LD50 Dermal | Rabbit | 2700 mg/kg | - |
| | LD50 Oral | Rat | 4500 mg/kg | - |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | LC50 Inhalation Dusts and mists | Rat | >5700 mg/m³ | 4 hours |
| | LD50 Dermal | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| | LD50 Oral | Rat | 53 mg/kg | - |

Conclusion/Summary

: There are no data available on the mixture itself.

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| PPG AQUACOVER 25 BUFF | 3333.3 | N/A | N/A | N/A | 50 |
| barium diboron tetraoxide | 100 | N/A | N/A | N/A | 1.5 |
| 2-(2-butoxyethoxy)ethanol | 4500 | 2700 | N/A | N/A | N/A |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 53 | 50 | N/A | 0.5 | N/A |

Irritation/Corrosion

Conclusion/Summary

: Not available.

Skin

: There are no data available on the mixture itself.

English (GB)

United Kingdom (UK)

9/14

Code : 00173148
PPG AQUACOVER 25 BUFF

Date of issue/Date of revision : 25 October 2023

SECTION 11: Toxicological information

Eyes : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Sensitisation

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Mutagenicity

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

Carcinogenicity

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

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

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)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : Not available.

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.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations

Skin contact : Adverse symptoms may include the following:
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations

Ingestion : Adverse symptoms may include the following:
 reduced foetal weight
 increase in foetal deaths
 skeletal malformations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.

| | |
|------------------------------|---|
| Code : 00173148 | Date of issue/Date of revision : 25 October 2023 |
| PPG AQUACOVER 25 BUFF | |

SECTION 11: Toxicological information

| | |
|---|--|
| Potential delayed effects | : Not available. |
| Long term exposure | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Potential chronic health effects | |
| | Not available. |
| Conclusion/Summary | : Not available. |
| General | : No known significant effects or critical hazards. |
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : May damage fertility. May damage the unborn child. |
| Other information | : Not available. |

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|--|-------------------------------------|---|----------|
| zinc bis(orthophosphate) zinc oxide | Acute LC50 0.112 mg/l | Fish | 96 hours |
| | Chronic NOEC 0.026 mg/l | Fish | 30 days |
| | Acute EC50 0.17 mg/l | Algae | 72 hours |
| | Acute EC50 0.481 mg/l Fresh water | Daphnia - Water flea - <i>Daphnia magna</i> - Neonate | 48 hours |
| | Chronic NOEC 0.017 mg/l Fresh water | Algae | 72 hours |

| | |
|---------------------------|------------------|
| Conclusion/Summary | : Not available. |
|---------------------------|------------------|

12.2 Persistence and degradability

| | |
|---------------------------|------------------|
| Conclusion/Summary | : Not available. |
|---------------------------|------------------|

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| (2-butoxyethoxy)ethanol | 1 | - | Low |

12.4 Mobility in soil

| | |
|--|------------------|
| Soil/water partition coefficient (K_{oc}) | : Not available. |
| Mobility | : Not available. |

12.5 Results of PBT and vPvB assessment

| |
|---|
| This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
|---|

| | |
|-----------------------------------|---|
| 12.6 Other adverse effects | : No known significant effects or critical hazards. |
|-----------------------------------|---|

Code : 00173148
PPG AQUACOVER 25 BUFF

Date of issue/Date of revision : 25 October 2023

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised 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.

Hazardous waste : Yes.

Waste catalogue

| Waste code | Waste designation |
|------------|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances |

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

| Type of packaging | Waste catalogue |
|-------------------|--------------------------|
| Container | 15 01 06 mixed packaging |

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|---|---|---|---|---|
| 14.1 UN number | UN3082 | UN3082 | UN3082 | UN3082 |
| 14.2 UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis (orthophosphate), zinc oxide) (trizinc bis (orthophosphate), zinc oxide) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis (orthophosphate), zinc oxide) (trizinc bis (orthophosphate), zinc oxide) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis (orthophosphate), zinc oxide) (trizinc bis (orthophosphate), zinc oxide) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis (orthophosphate), zinc oxide) (trizinc bis (orthophosphate), zinc oxide) |
| 14.3 Transport hazard class(es) | 9 | 9 | 9 | 9 |
| 14.4 Packing group | III | III | III | III |
| 14.5 Environmental hazards Marine pollutant substances | Yes. Not applicable. | Yes. Not applicable. | Yes. (trizinc bis (orthophosphate), zinc oxide) | Yes. Not applicable. |

Additional information

Code : 00173148
PPG AQUACOVER 25 BUFF

Date of issue/Date of revision : 25 October 2023

SECTION 14: Transport information

- ADR/RID** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- Tunnel code** : (-)
- ADN** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

14.6 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.

14.7 Transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV


None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles :  Restricted to professional users.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category

E2

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate
- GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = GB CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number

Code : 00173148
PPG AQUACOVER 25 BUFF

Date of issue/Date of revision : 25 October 2023

SECTION 16: Other information

SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

| Classification | Justification |
|---|--|
| Repr. 1B, H360FD Aquatic Chronic 2, H411 | Calculation method Calculation method |

Full text of abbreviated H statements

| | |
|--------|---|
| H301 | Toxic if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H332 | Harmful if inhaled. |
| H360FD | May damage fertility. May damage the unborn child. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |

Full text of classifications

| | |
|-------------------|---|
| Acute Tox. 2 | ACUTE TOXICITY - Category 2 |
| Acute Tox. 3 | ACUTE TOXICITY - Category 3 |
| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| Aquatic Acute 1 | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
| Eye Dam. 1 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
| Repr. 1B | REPRODUCTIVE TOXICITY - Category 1B |
| Skin Corr. 1C | SKIN CORROSION/IRRITATION - Category 1C |
| Skin Sens. 1A | SKIN SENSITISATION - Category 1A |

History

Date of issue/ Date of revision : 25 October 2023

Date of previous issue : 13 June 2022

Prepared by : EHS

Version : 1.01

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 us, 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.