

1. Identification

Product name: ArmourGuard Satin

Product code: AEWB,AETB,AEUDB

Use: Surface Coating. Applied by brush, roller or spray.

Company name PaintPlus Colour Systems Limited
address and contact details: 50 Diana Drive, Wairau Valley, Auckland
 PO Box 101 366, North Shore, Auckland 0745
 Telephone: 0800 846 225
 Fax: (+64) 9 912 8475
www.paintplus.co.nz

Emergency phone number: Responsible Care - ChemCall:
 0800 243 622

2. Hazard Identification

Classified as hazardous according to criteria in the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO Classification(s):

| HSNO Classification: | GHS Class: | GHS Category: |
|----------------------|------------------|---------------|
| 9.1C | Aquatic toxicity | 3 |

Pictogram(s): Not applicable

Signal word: Not applicable

Hazard Statement(s): **H412** Harmful to aquatic life with long lasting effects.

Prevention Statement(s): **P103** Read label before use.
P273 Avoid release to environment.

Response Statement(s): -

Storage Statement(s): -

Disposal Statement. **P501** Dispose of product and container in accordance with any local or National regulations.

3. Composition/Information on Ingredients

HSNO Classification(s):

| Ingredient | CAS No | Proportion (%w/w) |
|--|------------------------|-------------------|
| Biocide mixture Carbendazim, <0.01% Diuron, <0.03% | 10605-21-7 330-54-1 | >0.3% |
| Other components (manufacturing aids, rheology modifiers, anti-rust compound, pigments, film and in-can preservatives) | Proprietary | >99% |

Product is a complex mixture.

4. First Aid Measures

For advice contact the National Poisons Centre, phone 0800 764 766 [0800 POISON] or a doctor. Have product label or this Safety Data Sheet at hand.

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| | |
|------------------------------|--|
| Ingestion: | Clean mouth with water and drink afterwards plenty of water. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Do NOT induce vomiting. |
| Skin: | Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Get medical attention if irritation develops and persists. |
| Eye contact: | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If easy to do so remove contact lenses. |
| Inhalation: | Remove to fresh air. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| First Aid Facilities: | Eye wash and washroom facilities. |
| Advice to Doctor: | Treat symptomatically. |

5. Fire-fighting measures

| | |
|---------------------------------------|--|
| Flammability: | Product is non-combustible. |
| Suitable extinguishing media: | Water, foam, dry chemical or carbon dioxide (CO ₂) as appropriate for surrounding materials. |
| Hazards from combustion: | Non-specified harmful and/or irritating fumes or gases. |
| Decomposition temperature: | Not available. |
| Specific hazards: | Prevent extinguishing media from entering waterways, drains or sewers. |
| HAZCHEM Code: | Not applicable. |
| Precautions for fire-fighters: | Wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to product and smoke. |

6. Accidental release measures

Emergency procedures:

Wear personal protection equipment to minimise exposure. Contain spill. If unable to recover liquid, absorb with an inert absorbent material (sand, sawdust, soil). Collect and place in labelled container that can be sealed before disposal. If contamination of waterways, drains or sewers occurs, immediately inform local council and emergency services.

7. Handling and storage

Precautions for Safe Handling:

Read label before use. Avoid inhalation of vapours and mists and contact with skin or eyes. Wear gloves. Use in a well-ventilated area to avoid build-up of vapours and mists. Follow good occupational hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Wash contaminated clothing before re-use. Keep containers closed when not in use.

Conditions for Safe Storage:

Keep out of reach of children. Store in a cool well-ventilated place in original container. Minimum storage temperature 1 °C. Do not exceed 40 °C.

8. Exposure controls/personal protection

Health Exposure Standards: No Workplace Exposure Standards (WES) have been set by WorkSafe NZ for components in this substance.

Biological limit values: None established.

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Personal Protective Equipment:

Respiratory Protection: Respiratory protection may be necessary under certain use conditions. Under such conditions, an approved respirator with a replaceable mist filter according to local standards (AS/NZS 1715), must be worn.

Eye Protection: Recommended to wear safety glasses to avoid contact with eyes.

Skin/ Body Protection: Wear impervious gloves, e.g. nitrile, PVC, overalls, boots.

Other Information: Selection and use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Australian/New Zealand Standards, including:

AS/NZS 1336: Eye and face protection – Guidelines.

AS/NZS 1337: Personal eye protection - Eye and face protectors for occupational applications.

AS/NZS 1715: Selection, use and maintenance of respiratory protective equipment.

AS/NZS 2161: Occupational protective gloves.

AS/NZS 2210: Occupational protective footwear.

AS/NZS 4501: Occupational protective clothing set.

9. Physical and chemical properties

| | |
|---|---|
| Appearance: | Viscous liquid (different colour options) |
| Odour: | No data available |
| Odour threshold: | Not available |
| pH: | Not determined |
| Melting point/Freezing point (°C): | No data available |
| Boiling point/range (°C): | No data available |
| Decomposition temperature (°C): | No data available |
| Flash point (°C): | Non flammable |
| Flammability (solid, gas): | Not applicable |
| Upper/lower flammability limits: | Not applicable |
| Vapour pressure: | No data available |
| Vapour density (Air=1): | No data available |
| Relative density: | 1.21 – 1.31 |
| Solubility in water: | Miscible |
| Partition coefficient (log Pow): | Not available |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Kinematic viscosity: | Not determined |

10. Stability and reactivity

Chemical Stability: Stable under normal conditions of handling and storage.

Conditions to avoid: Extremes of temperature and direct sunlight, and incompatible materials.

Incompatible materials: Strong oxidizers, alkalis, acids.

Hazardous decomposition products: Thermal decomposition may produce toxic or irritating fumes and gases.

Hazardous polymerization: Not known to occur.

11. Toxicological information

Based on information on components in product and mixture classification rules.

Acute toxicity: Product is not classified as toxic by oral, dermal or inhalation exposure routes.

| Effective Route: | LD50 (mg/kg): | Information: |
|------------------|--------------------|---------------------------------|
| Oral | >5000 | As calculated from ingredients. |
| Dermal | >5000 | As calculated from ingredients. |
| Inhalation | No data available. | No data available. |

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Aspiration hazard: Product does not contain any component identified with aspiration hazard.

Respiratory irritation: Product does not contain any component identified with respiratory irritation hazard.

Skin corrosion/irritation: Product contains components identified with corrosive or irritant properties, but the classification threshold is not triggered.

Serious eye damage/irritation: Product contains components identified with corrosive or irritant properties, but the classification threshold is not triggered.

Respiratory or Skin sensitization: Product does not contain any identified respiratory sensitizers. The product does contain very low concentrations of components of skin sensitizers but these do not trigger a classification for the product.

Germ cell mutagenicity: Product does contain components identified as presumed or suspected mutagens but these do not trigger a classification for the product.

Carcinogenicity: Product does contain components identified as presumed or suspected carcinogens but these do not trigger a classification for the product.

Reproductive toxicity: Product does not contain any components identified as presumed or suspected of impairing fertility or the unborn child.

Specific organ toxicity: Product does not contain any components identified as presumed or suspected of damaging organs.

Narcotic effects: Product does not contain any component identified with having narcotic effects.

Toxicological Information: Not available for product.

12. Ecological information

Eco-toxicity: This product has been identified as having possible long-term harmful effects in the aquatic environment. As liquid paint, any spillage into a waterway, drain or sewer would affect water quality and adversely affect aquatic life.

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Mobility in soil: No information available.

Eco-toxicity Information:

| Component: | Test Method: | Result: |
|-------------|----------------------------------|--|
| Diuron | EC50/ 48 h EC50/ 72 h LC50/ 96 h | 1.4 mg/L – Crustacean, 0.022 mg/L – Algae, 14.7 mg/L – Fish. |
| Carbendazim | EC50/ 48 h EC50/ 72 h LC50/ 96 h | 0.22 mg/L – Crustacean, 1.3 mg/L – Algae, 0.61 mg/L – Fish. |

Other Information: No information available

13. Disposal considerations

Disposal Methods: Empty containers retain product residues. Allow empty containers to dry before disposal. It is recommended to dispose of excess/unwanted product through paint recycling or disposal service. Do not allow product to enter drains or watercourses or dispose of where ground or surface waters may be affected. Dispose of empty containers in accordance with local or National regulations. Incinerate if appropriate facility/equipment is available. Do not use container for storing any other product.

14. Transport information

New Zealand This product is not classified as a Dangerous Good. Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

UN Number: Not applicable.

Proper Shipping Name: Not regulated

DG Class: -

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Subsidiary Risk: -
Packing Group: -
HAZCHEM: -

15. Regulatory information

New Zealand

Classified as a hazardous substance according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

HSNO Approval number: HSR002670 Surface coatings and colorants (Subsidiary Hazard) Group Standard 2017.

HSNO Controls: Refer to www.epa.govt.nz for EPA Notices and Controls relating to this product and use.

Also refer to WorkSafe NZ, www.worksafe.govt.nz for information.

16. Other information

Date of Issue: 15 January 2019

Reasons for issue: New SDS

Replaces: Not applicable.

Abbreviations:

| | |
|------|---|
| EC50 | 50% effect concentration |
| EEL | Environmental Exposure Limit |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substance and New Organisms |
| LD50 | 50% lethal dose |
| STEL | Short Term Exposure Limit (15 minute exposure period) |
| TWA | Time-Weighted Average (8 hours exposure period) |
| WES | Workplace Exposure Standard |

References:

EPA www.epa.govt.nz

Supplier Safety Data Sheets

Other:

The information contained herein is given in good faith but no warranty, expressed or implied is made.

Consult supplier if additional information or explanation is required.

Disclaimer:

This SDS covers the use of this product for its intended purpose. PaintPlus Colour Systems accepts no liability for any damages or injuries related to the use or misuse of this product outside of its intended purpose.

End of safety data sheet