



SAFETY DATA SHEET

AEROCOAT (Black)

Date of issue: September 07, 2017

Revision: 01

SDS Number: MI-010

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1. PRODUCT AND COMPANY IDENTIFICATION

Identification of Product	:	Pure Acrylic Emulsion Paint
Trade Name	:	AEROCOAT (Black)
Manufacturer/Supplier	:	Aeroflex Co., Ltd. 111/7, 111/11 Mu 2 Tambol Makhamku, Amphur Nikompattana, Rayong, Thailand 21180
Supplier Name	:	Airefrig Australia Pty Ltd
Supplier Address	:	75 Beechboro Rd, Bayswater Western Australia 6053
Telephone Number	:	08 9272 8977
Fax Number	:	08 9370 2868
Email Address	:	sales@airefrig.com.au

2. Hazards Identification



GHS09

[GHS Classification]

Physical Hazard	:	Non-inflammable.
GHS Classification	:	Not a hazardous substance or mixture.
GHS label elements	:	Not a hazardous substance or mixture.
Other hazards	:	None known.
Signal word	:	No Hazard Statement.
Environmental hazards	:	May cause damage to the aquatic environment.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

No. Component / Chemical Name	CAS No.	Composition Wt. (%)
1) CALCIUM CARBONATE	72608-12-9	20.7
2) PROPYLENE GLYCOL	63625-56-9	1
3) ALUMINIUM HYDROXIDE	21645-51-2	7
4) ACRYLIC BINDER	25852-37-3	35
5) WATER	7789-20-0	31
6) BIOCID (Preservatives for surface coatings)	-	0.5
7) BIOCID (Preservatives for products in storage)	-	0.3
8) 2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE	25265-77-4	0.5
9) CABON BLACK	1333-86-4	4

4. FIRST AID MEASURES

Eye contact	: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention.
Skin Contact	: Wash affected area thoroughly with soap and water
Inhalation	: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion	: If swallowed, do not induce vomiting. Get medical attention immediately.



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5. FIRE FIGHTING MEASURES

- | | |
|----------------------------|---|
| Extinguishing Media | : Use dry chemical powder, Carbon dioxides, foam, water. |
| Fire Fighting | : Fire fighters should wear complete protective clothing including self-contained breathing apparatus. |
| Instructions | : Shut off supply; if not possible and no risk, let the fire burn itself out and Remove immediately flammable matter.
: Use specified extinguisher or extinguishing equipment. |
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6. ACCIDENTAL RELEASE MEASURES

- | | |
|--------------------------------|---|
| In event of small spill | : Absorb with dry sand or other non-flammable matter, collected and disposed of as hazardous waste. |
| In event of large spill | : Cover with absorbent materials (dry sand or other non-flammable matter).
: Do not absorb in saw-dust or other combustible absorbents.
: Wear proper protectors gloves, respirator, safety goggles, etc.
: Collect leaking liquid in sealable (metal / plastic) containers.
: To clean all object contaminated, avoid run off into sewers. |
-

7. HANDING AND STORAGE

- | | |
|---------------------------|---|
| Handling condition | : Handle in good ventilated area.
: Wash thoroughly hand and face after handling.
: Close tightly container with closer necessarily during and after use.
: Wear proper protectors to avoid contact of skin or eyes when handling open containers.
: Install proper local ventilator and wear proper protector in closed space. |
| Storage | : Keep container closed and avoid direct sunlight.
: Store in good ventilation. |



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: Store with keeping away from ignition or heat source.

Storage Temperature : Ambient temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls	: Use explosion proof type equipment. : Install proper exhauster to prevent concentrating of vapor. : Ground equipment for fluid transfer, pumping and stirring. : In application in closed space or the like tanks, install equipment which can sufficiently ventilate even its bottom.
Personal protection	
Respiratory Protection	: Wear suitable mark and air-filtering respiratory.
Hand Protection Description	: Wear impervious protective PVC gloves to prevent contact with organic solvent.
Eye/ Face Protection	: Wear protective eyewear (goggles, face shield, or safety glasses).
Skin & Body Protection	: Wear suitable protective clothing to avoid direct contact of skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/ Appearance	: Liquid
Color	: Black
pH	: 8.5-9.0
Vapor Pressure	: No data
Specific gravity	: 1.200 ±0.05 g/cm ³
Molecule Formula	: Mixture Molecule
Weight	: Mixture
Melting point	: No data
Flash point	: No data



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Boiling point range	: No data
Auto-ignition point	: No data
Water Solubility	: Soluble
Other	: No data

10. STABILITY AND REACTIVITY

Chemical stability	: Stable under normal temperatures and pressure.
Condition to Avoid	: None known.
Materials to Avoid	: Strong oxidizing agents.
Decomposition products	: Incomplete combustion may produce carbon monoxide and other toxic gases.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	: Not classified based on available information.
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Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Acute oral toxicity	: LD50 Oral (Rat): 6,500 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 3.55 mg/l, Exposure time: 6 h , Remarks: (highest concentration tested)

Acute dermal toxicity	: LD50 Dermal (Rabbit): > 15,200 mg/kg
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PROPYLENE GLYCOL:

Acute oral toxicity	: LD50 Oral (Rat): > 22000 (OECD 401)
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Acute dermal toxicity	: LD50 Dermal (Rabbit): > 2000 mg/kg
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Skin corrosion/irritation	: Not classified based on available information.
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Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Species: Rabbit

Exposure time: 4 h

Result: slight

Serious eye damage/eye irritation : Causes eye irritation

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Species: Rabbit

Result: slight

Respiratory or skin sensitization:

Skin sensitization : Not classified based on available information.

Respiratory sensitization : Not classified based on available information.

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Test Type: Skin Sensitization

Species: Guinea pig

Result: non-sensitizing

Germ cell mutagenicity : Not classified based on available information.

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Genotoxicity in vitro : Test Type: Mutagenicity - Bacterial

Metabolic activation: +/- activation

Result: negative

: Test Type: Chromosome aberration test in vitro

Metabolic activation: +/- activation

Result: negative



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	Remarks: Read-across from a similar material
	: Test Type: Mutagenicity - Mammalian
	Metabolic activation: +/- activation
	Result: negative
	Remarks: Read-across from a similar material
Genotoxicity in vivo	: Test Type: Mutagenicity - Mammalian
	Species: Mouse
	Application Route: oral: gavage
	Result: negative
Carcinogenicity	: Not classified based on available information
Reproductive toxicity	: Not classified based on available information
STOT-single exposure	: Not classified based on available information
STOT-repeated exposure	: Not classified based on available information
Repeated dose toxicity	
Ingredients:	
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	: Species: Rat
	NOAEL: 1,000 mg/kg
	Application Route: by gavage
	Exposure time: 51 d
Aspiration toxicity	: Not classified based on available information

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 33mg/l
, Exposure time: 96 h



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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 147.8 mg/l

Exposure time: 48 h

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (algae)): 15 mg/l

Exposure time: 72 h

Persistence and degradability

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Biodegradability : Result: Readily biodegradable.

Biodegradation: > 77 %, Exposure time: 28 d

Method: Ready Biodegradability: CO2 Evolution Test

Bioaccumulative potential

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Partition coefficient : n-octanol/water: log Pow: 3.2 (25 °C)

13. DISPOSAL CONSIDERATION

: This material and its container must be disposed of as hazardous waste.

: Dispose of wastes in an approved waste disposal facility.

: Do not empty into drains.

14. TRANSPORTATION INFORMATION

International Regulations

IATA-DGR : Not regulated as a dangerous goods

IMDG-Code : Not regulated as a dangerous goods

Transport in bulk according to Annex II : Not applicable for product as supplied.



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of MARPOL 73/78 and the IBC Code

Domestic regulation : Not regulated as a dangerous goods

15. REGULATORY INFORMATION

Thai regulation : Hazardous substance (Praradbunyut 2535)
: Volatile Organic Content in air

16. OTHER INFORMATION

Reference data : Globally Harmonized System of Classification and Labeling of Chemicals – GHS

Abbreviation :

CLP : EU Regulation (EC) No.1272/2008 on classification, labeling and packaging of chemical substances and mixtures.

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