

SAFETY DATA SHEET

IGL COATINGS™ ECOCOAT PREMIER



Material no.

Specification

154282

Revision date

08.06.2022

Version

1.18

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME : IGL Coatings™ Ecocoat Premier
FUNCTION : Hydro & oleophobic and easy clean agent surface modifier and gloss enhancer
COMPANY : Ominent Sdn Bhd
ADDRESS : No.7, Jalan Majistret U1/26, Hicom-Glenmarie Industrial Park, Seksyen U1, 40150 Shah Alam, Selangor.
PHONE : +60355690980
EMAIL ADDRESS : regulations@iglcoatings.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Health hazards

Skin irritation Category 3

Skin sensitization Category 1

Environmental hazards

Acute Aquatic Hazard Category 3

Chronic Aquatic Hazard Category 3

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS07

Signal word

Warning

Hazard statements

H316 Causes mild skin irritation

H317 May cause allergic skin reaction

H412 Harmful to aquatic life with long lasting effect

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P501 Dispose of contents/container to comply with local, state and federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	Chemical Name			Quantity
	EC No.	Index No.	REACH No.	
	Classification according to Regulation (EC) No. 1272/2008 (CLP)			
7732-18-5	Water			>90%
	231-791-2	Not applicable	Not applicable	

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	Not applicable			
63148-62-9	Polydimethylsiloxane			5-10%
	613-156-5	Not applicable	Not applicable	
	Not applicable			
27306-79-2	Tetradecan-1-ol, ethoxylated			0.1-1%
	500-059-7	Not applicable	Not applicable	
	Aquatic Acute 1: H400			
55965-84-9	5-Chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone			0.10-0.20%
	911-418-6	Not applicable	Not applicable	
	Acute Tox. 3: H301, Acute Tox. 2: H310, H330; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 (M=10)			

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Take off contaminated clothing.

After Inhalation

If aerosol or mists are inhaled, take affected persons out into the fresh air.

In all cases of doubt, or when symptoms persist, seek medical advice.

After skin contact

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if presence and easy to do.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting.

In all cases of doubt, or when symptoms persist, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water fog, foam, dry chemical powder, carbon dioxide.

5.2 Unsuitable extinguishing media

No information available.

5.3 Special hazards arising from the substance or mixture

By heating and fire, harmful vapours/gases may be formed such as nitrogen oxides, sulphur dioxide carbon monoxide or hydrogen chloride.

5.4 Advise for firefighters

Use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots and self-contained breathing apparatus.

5.5 Unusual Fire Hazards:

None.

6. ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away.

Wear personal protection equipment (Refer to section 8).

6.2 Environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Large Spills:

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas.

Small Spills:

Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove residual contamination.

6.4 Reference to other sections

Safe handling: Refer to section 7

Personal protection equipment: Refer to section 8

Disposal: Refer to section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Use care in handling/storage. Do not inhale mist/aerosols. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Not flammable.

Further information on handling

General protection and hygiene measures: Refer to section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with food and feeding stuffs.

Keep in original container. This product contains water. Therefore, please note that there is possibility that the container corrodes when you keep a long term in a metallic container.

Further information on storage conditions

Keep the packing dry and well-sealed to prevent contamination.

Store in a cool, dry place out of direct sunlight.

Do not keep the container below 0 °C to avoid coagulation.

Recommended storage temperature: 20-25 °C

7.3. Specific end use(s): Refer to section 1.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

Additional Information: The lists valid during the making were used as basis.

8.2 Exposure Control

8.2.1 General protective and hygienic measures:

Wash hands before breaks and at the end of work.

8.2.2 Personal protective equipment:

Respiratory protection:

Respiratory protection in case of vapour/aerosol release.

Protection of hands:

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Using chemical protective gloves according to DIN EN 374 with CE-labelling. The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Material of gloves:

Selection of protective gloves to meet the requirements of specific workplaces. Suitability for specific workplaces should be clarified with protective glove manufacturers. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses with side-shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	: 100 °C
Flash point	: 100 °C
Specific Gravity	: 1 (at 20 °C)
Volatile Organic %	: 0.0 %
pH	: 6.5-7.5
Evaporation Rate	: 1.135 (water = 1)
Solubility in Water	: Water soluble
Appearance (colour)	: Grey
Appearance (form)	: Liquid
Density	: 1.006 g/cm ³ (20 °C)
Odour	: Odourless

10. STABILITY AND REACTIVITY

10.1 Reactivity: No hazardous reaction known under normal conditions of use, storage and transport.

10.2 Chemical stability: Stable under normal condition.

Thermal decomposition / conditions to avoid: No decomposition if used according to specifications

10.3 Possibility of hazardous reactions: Hazardous polymerization does not occur.

10.4 Conditions to avoid: No further relevant information available

10.5 Incompatible materials: Strong oxidizing agents, alkalis, reducing agents

10.6 Hazardous decomposition products: Thermal decomposition of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds and silicon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: No data available.

Skin corrosion/irritation: Causes mild skin irritation.

Serious eye damage/eye irritation: Shall not be classified as damage/irritant to eye.

Respiratory or skin sensitization: May cause allergic skin reaction.

Summary of evaluation of the CMR properties: Shall not be classified as a germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity – single exposure: No data available.

Specific target organ toxicity – repeated exposure: No data available.

Aspiration hazard: No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Specific substance: 5-Chloro-2-methyl-3(2H)-isothiazolone, mixt. with 2-methyl-3(2H)-isothiazolone

Endpoint	Value	Species	Exposure time
EC50	37.1 µg/L	Freshwater algae	48 hours

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12.2 Process of degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB Assessment

The product does not contain substances that meet the PBT and vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

Data are not available.

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulation.

Sewage disposal-related information

Do not empty into drains.

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

14. TRANSPORT INFORMATION

14.1 IATA-DGR

UN number : -
UN proper shipping name : Non dangerous goods
Transport hazard class(es) : -
Packing group : -
Environmental hazards : No
Special precautions for user : No data available.
Remarks : -

14.2 IMDG-Code

UN number : -
UN proper shipping name : Non dangerous goods
Transport hazard class(es) : -
Packing group : -
Environmental hazards : No
Marine pollutant : No
EmS Code : -

15. REGULATORY INFORMATION

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

US Federal Regulations

US. Toxic Substances Control Act (TSCA)

All chemical substances in this material are included on the TSCA Inventory of Chemical Substances.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Hazardous Substance List

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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Emergency Planning and Community Right-To-Know Act (EPCRA) Section 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

Emergency Planning and Community Right-To-Know Act (EPCRA) Section 313 Toxics Release Inventory (TRI) Reporting

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

US. State Regulation

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

EU Regulation

EU. Directive 2012/18/EU (SEVESO III) on Major Accident Hazards Involving Dangerous Substances, Annex I:

Not applicable

Korea Regulations

KECI: All chemical substances in this material are included and in compliance with the KECI inventory.

K-REACH: None present or none present in regulated quantities.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. OTHER INFORMATION

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material use in combination with any other materials or any process, unless specified in the test.