

SAFETY DATA SHEET

IGL COATINGS™ ECOCOAT BIKE



Material no.

Specification

Version

154317

1.18

Revision date

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08.06.2022

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

PRODUCT NAME : IGL Coatings™ ecocoat bike
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

Physical hazards

Flammable liquid Category 2

Health hazards

Eye irritation Category 2

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS02



GHS05

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash hand thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: use foam/dry chemical/carbon dioxide to extinguish.
P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed and keep cool.
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.	

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	Classification according to Regulation (EC) No. 1272/2008 (CLP)			
70131-67-8	Polydimethylsiloxane			>80%
	615-070-3	Not applicable	Not applicable	
	Flam. Liq. 2: H225			
950595-49-0	Aluminium chelate compound			5-10%
	619-101-1	Not applicable	Not applicable	
	Not applicable			
67-63-0	Propan-2-ol			1-3%
	200-661-7	Not applicable	Not applicable	
	Flam. Liq. 2: H225, Eye Irr. 2: H319, STOT SE 3: H336			

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Take off contaminated clothing.

After Inhalation

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

After skin contact

Take off contaminated clothing. Gently wash with plenty of soap and water.

In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with 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

Wash out mouth with water provided the person is conscious.

Never give anything by mouth to an unconscious person.

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

Foam, dry chemical or carbon dioxide.

5.2 Unsuitable extinguishing media

Not known.

5.3 Special hazards arising from the substance or mixture

Flammable liquid.

Hazardous toxic and irritating fumes or smoke may be emitted.

Vapors may travel considerable distance to ignition source and flash back.

5.4 Advise for firefighters

Wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

5.5 Unusual Fire Hazards:

Not known.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

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Shut off all ignition sources.

Contain the spill or leak. Take up mechanically (cloth rag).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated articles and floor according to the environmental legislation.

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

Wear personal protection equipment (Refer to section 8).

Avoid contact with eyes and skin.

Use with adequate ventilation.

Advice on protection against fire and explosion

Keep container closed when not in use.

Keep away from heat, sparks and flame.

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.

Further information on storage conditions

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

Recommended storage temperature: 20-25°C.

Static electricity may accumulate and cause a fire hazard.

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. Ensure adequate ventilation.

8.2.2 Personal protective equipment:

Respiratory protection:

Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Protection of hands:

Use plastic film or rubber gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

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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 recommended during refilling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	: 78 °C	
Vapour Pressure	: 90 mmHg (at 25 °C)	[Alkoxysilane]
Vapor Density	: 4.1 (Air = 1)	
Specific Gravity	: 0.97 (at 20 °C)	
Density	: 0.973 g/cm ³	
Melting Point	: Not applicable	
Flash Point	: 20 °C	
pH	: 7.0 ± 0.5	
Evaporation Rate	: >1 (Butyl Acetate = 1)	
Solubility in Water	: Not soluble (hydrolysed with water)	
Appearance (colour)	: Clear colorless liquid	
Appearance (form)	: Liquid	
Odour	: Peculiar	

10. STABILITY AND REACTIVITY

10.1 Reactivity: No further relevant information available.

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: No dangerous reactions known under normal processing.

10.4 Conditions to avoid: Hydrolysed with water but no hazard.

10.5 Incompatible materials: Water, acid and alkalis.

10.6 Hazardous decomposition products: Methanol (flammable and poisonous liquid). Thermal breakdown 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, silicon dioxide and formaldehyde.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity [Methanol; decomposed product]:

Exposure route	Endpoint	Value	Species
Oral	LD50	5628 mg/kg	Rat
Inhalation	LD50	64000 ppm/4h	Rat

Chronic toxicity: May cause conjunctivitis, dizziness, sleeplessness and gastrointestinal and optical disturbances. [Methanol; decomposed product]

Skin corrosion/irritation: Moderate irritation (Rabbit; 20mg/24 h - Methanol: decomposed product)

Eye irritation: Causes moderate eye irritation (Rabbit; 100mg/24 h - Methanol: decomposed product)

Respiratory or skin sensitization: Shall not be classified as respiratory or skin sensitizer.

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 information available.

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

Aspiration hazard: Shall not be classified as aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.

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12.2 Process of degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB Assessment

No data available.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Can be burned in chemical incinerator equipped with afterburner and scrubber but exert extra care in igniting as this product is very flammable.

Sewage disposal-related information

Do not empty into drains.

Do not dispose of the emptied container unless the contents have been completely removed and the container has been flushed with a clean neutral solvent and then dried up. Do not dispose the emptied container unlawfully.

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 : 1263
UN proper shipping name : Paint-related material
Transport hazard class(es) : 3
Packing group : II
Environmental hazards : No
Special precautions for user : -
Remarks : -

14.2 IMDG-Code

UN number : 1263
UN proper shipping name : Paint-related material
Transport hazard class(es) : 3
Packing group : II
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

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None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Component	CAS No.
Propan-2-ol	67-63-0

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.

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.