

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAN DELETE



Material no.

Specification

154305

Revision date

16.02.2021

Version

1.15

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

PRODUCT NAME : IGL Coatings™ ecoclean delete
FUNCTION : Stain-removing agent
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 Corrosion Category 1B
Serious Eye Damage Category 1

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS05

Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Precautionary statements

P260 Do not breathe mist, vapours, spray.
P264 Wash exposed skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
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			80-100%
	231-791-2	Not applicable	Not applicable	
	Not applicable			
7664-39-3	Hydrofluoric acid			3-7%
	231-634-8	009-002-00-6	Not applicable	

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	Acute Tox. 1: H310; Acute Tox. 2: H330; Acute Tox. 2: H300; Skin Corr. 1A: H314			
16961-83-4	Fluorosilicic Acid			1-5%
	241-034-8	009-011-00-5	01-2119488906-19-0000	
	Skin Corr. 1B: H314; Eye Dam. 1: H318			
7664-93-9	Sulphuric Acid			0.5-1.5%
	231-639-5	016-020-00-8	01-2119458838-20-0000	
	Skin Corr. 1A: H314; Eye Dam. 1: H318			

Additional information:

The exact percentage of some ingredients used in this product are considered to be proprietary and are withheld as confidential business information.

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

Gently wash with plenty of water or shower. Do not apply (chemical) neutralizing agents.

In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for at least 15 minutes. Do not apply (chemical) neutralizing agents.

Remove contact lenses, if presence and easy to do.

In case of troubles or when symptoms persist, 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

Symptoms/effects after inhalation

Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

Symptoms/effects after skin contact

Caustic burn/corrosion of the skin.

Symptoms/effects after eye contact

Corrosion of the eye tissue. Permanent eye damage.

Symptoms/effects after ingestion

Nausea. Abdominal pain. Burns to the gastric/intestinal mucosa.

Chronic symptoms

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Itching. Skin rash/inflammation.

Inflammation/damage of the eye tissue.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Unsuitable extinguishing media

None.

5.3 Special hazards arising from substance or mixture

Heating can release hazardous vapours such as hydrogen fluoride, silicon tetrafluoride and hydrogen gas.

5.4 Advice for firefighters

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Wear self-contained breathing apparatus for firefighting if necessary.

5.5 Unusual Fire Hazards:

None.

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

Dilute with water and mop up or absorb with an inert dry material and placed in an appropriate waste disposal container.

Dispose of via a licensed waste disposal contractor.

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).

Eating and drinking should be prohibited in the area where this product is handled.

Wash hands before breaks and at the end of work.

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 and well-ventilated place.

Advice on storage compatibility

Separate from alkalis.

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.

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, forearms and face before eating and at the end of work.

8.2.2 Personal protective equipment:

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use

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respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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.

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 eyewear complying with an approved standard should be used to avoid exposure to liquid splashes.

Recommended: Tightly fitting goggles and face shield.

Body protection:

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	: 100 °C
Specific Gravity	: 1.05 (at 20 °C)
Density	: 1.02 g/cm ³
Volatile Organic %	: 0%
pH	: 1.0
Evaporation Rate	: 0.865 (water =1)
Solubility in Water	: Water soluble
Appearance (color)	: Colourless
Appearance (form)	: Liquid
Odour	: Slight sour

10. STABILITY AND REACTIVITY

10.1 Chemical stability: Stable under normal condition.

10.2 Reactivity: Reactive or incompatible with alkalis. Keep away of heat sources.

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

10.4 Conditions to avoid: Avoid alkalis, extreme temperature and direct sunlight.

10.5 Incompatible materials: Strong oxidizing agents, alkalis and metals.

10.6 Hazardous decomposition products: Hydrogen, hydrogen fluoride, sulfur compounds.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Exposure route	Endpoint	Value	Species	Source
Oral	LD50	125973 mg/kg	Rat	ECHA
Inhalation	LC50	50 mg/L	Rat	ECHA

Skin corrosion/irritation: May causes skin irritation.

Serious eye damage/eye irritation: May causes serious eye damage.

Respiratory or skin sensitization: No data available.

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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

Specified substance: Sulphuric acid

Endpoint	Value	Species	Exposure time	Source
LC50	16 mg/L	Freshwater fish	N/A	ECHA
LC10/EC10 or NOEC	25 µg/L	Freshwater fish	65 days	ECHA
LC50	100 mg/L	Aquatic invertebrates	48 hours	ECHA
LC10/EC10 or NOEC	150 µg/L	Aquatic invertebrates	N/A	ECHA
EC10 or NOEC	100 mg/L	Freshwater algae	72 hours	ECHA

Specified substance: Fluorosilicic acid

Endpoint	Value	Species	Exposure time	Source
LC50	50 mg/L	Freshwater fish	4 days	ECHA
LC10/EC10 or NOEC	4 mg/L	Freshwater fish	21 days	ECHA
EC50	26-48 mg/L	Aquatic invertebrates	4 days	ECHA
LC10/EC10 or NOEC	8.9 mg/L	Aquatic invertebrates	21 days	ECHA
EC50	43-122 mg/L	Freshwater algae	4 days	ECHA

Specified substance: Hydrofluoric acid

Endpoint	Value	Species	Exposure time	Source
LC50	51 mg/L	Freshwater fish	4 days	ECHA
LC10/EC10 or NOEC	4 mg/L	Freshwater fish	21 days	ECHA
EC50/LC50	26 mg/L	Freshwater invertebrates	4 days	ECHA
EC50/LC50	10.5 mg/L	Marine invertebrates	4 days	ECHA
LC10/EC10 or NOEC	8.9 mg/L	Aquatic invertebrates	21 days	ECHA
EC50	43 mg/L	Freshwater algae	4 days	ECHA

12.2 Process of degradability

No data available.

12.3 Bio-accumulative 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

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

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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

This product contains the following substance subject to CERCLA Hazardous Substance List

Component	CAS No.
Sulphuric acid	7664-93-9

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

This product contains the following substance subject to the reporting requirements of EPCRA Section 302

Component	CAS No.
Sulphuric acid	7664-93-9

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

This product contains the following substance subject to the reporting requirements of EPCRA Section 313

Component	CAS No.
Sulphuric acid	7664-93-9

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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.

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

PRODUCT NAME : IGL Coatings™ ecoclean wash
FUNCTION : Automotive shampoo
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 hazard

Eye irritation : Category 2
Skin irritation : Category 3
Skin sensitisation : Category 1

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS07

Signal Word

Warning

Hazard statements

H316 : Causes mild skin irritation
H317 : May cause an allergic skin reaction
H319 : Causes serious eye irritation

Precautionary statements

P261 : Avoid breathing dust/fume/vapours/spray.
P264 : Wash exposed skin thoroughly after handling.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 : IF ON SKIN: Wash with plenty of water.
P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 : If skin irritation occurs: Get medical advice/attention.
P333+P313 : If skin irritation or rash occurs: Get medical advice/ attention.
P337+P313 : If eye irritation persists: Get medical advice/attention.
P501 : Dispose of contents in accordance with local/regional/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	60-80%
	231-791-2 Not applicable Not applicable	
	Not applicable	
68585-34-2	Sodium laureth sulfate	5-10%
	500-223-8 Not applicable Not applicable	
	Acute Tox. 4: H302; Skin Irr. 2: H315; Eye Irr.2: H319	
1643-20-5	Lauramine oxide	5-10%
	216-700-6 Not applicable 01-2120068065-58-0000	

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	Not applicable			
61789-40-0	Cocamidopropyl betaine			5-10%
	263-058-8	Not applicable	01-2120770501-61-0000	
	Skin Irr. 2: H315; Eye Irr. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 3: H412			
7647-14-5	Sodium chloride			0.1-1%
	231-598-3	Not applicable	01-2119485491-33-0000	
	Not applicable			
56-81-5	Glycerine			0.1-1%
	200-289-5	Not applicable	01-2119471987-18-0000	
	Not applicable			

Additional information:

The exact percentage of some ingredients used in this product are considered to be proprietary and are withheld as confidential business information.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Take off contaminated clothing.

After Inhalation

Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.

After skin contact

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 several minutes. Remove contact lenses, if present 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

Eyes: Irritation

Skin: Possible slight transient irritation.

Gastric upset

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media Extinguishing media

Water spray.

5.2 Unsuitable extinguishing media

No information available.

5.3 Special hazards arising from substance or mixture

In the event of fire, fire created carbon oxides may be formed.

5.4 Advice for firefighters

Must wear NIOSH/MSHA approved self-containing breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

5.5 Unusual Fire Hazards:

None.

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

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Do not allow into open waterways and ground water systems.

6.3 Methods and material for containment and cleaning up

Dike or soak up with inert absorbent material.

See section 13 for disposal considerations.

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).

Ensure adequate ventilation. Keep out of reach of children. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

Advice on protection against fire and explosion

Not flammable.

Keep away from heat, sparks, open flame and direct sunlight.

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 and dry area. Avoid prolonged exposure to sunlight.

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. Do not store at temperatures above 109°F (42.7°C).

Store in original container in areas inaccessible to children. Do not store on side. Offer for recycling if available or discard in trash. Do not expose to chlorine bleach.

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:

Ingredient	CAS Number	Agency	Limit Type
Glycerin	56-81-5	OSHA	TWA (as total dust): 15 mg/m ³

8.2 Exposure Control

8.2.1 General protective and hygienic measures:

Wash hands before eating or drinking and at the end of work.

8.2.2 Personal protective equipment:

Respiratory protection:

Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.

Protection of hands:

Use protective gloves.

Eye protection:

Use protective glasses or safety goggles if splashing or spray-back is likely.

Body protection:

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

: 100 °C

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Flash Point	: > 100 °C
Autoignition Temperature	: Non-flammable
Specific Gravity	: 1.01 g/mL
Specific Density	: 0.98 g/ mL
Viscosity (cP)	: 3500-5000
pH	: 8.0
Evaporation Rate	: 1.158 (water = 1)
Solubility in Water	: Water soluble
Appearance (color)	: Yellow
Appearance (form)	: Liquid
Odour	: Lemon

10. STABILITY AND REACTIVITY

10.1 Reactivity: Non-reactive.

10.2 Chemical stability: Stable under normal condition.

10.3 Possibility of hazardous reactions: Reactive with oxidizers

10.4 Conditions to avoid: Excessive heat and cold.

10.5 Incompatible materials: Do not mix with chlorine bleach.

10.6 Hazardous decomposition products: Thermal decomposition may produce toxic vapours/fumes of oxides or carbon.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Exposure route	Endpoint	Value	Species	Source
Oral	LD50	67254 mg/kg	Rat	ECHA
Dermal	LD50	13333 mg/kg	Rat	ECHA

Skin corrosion/irritation: May cause mild skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May causes skin sensitisation.

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: Shall not be classified as specific target organ toxicity – single exposure.

Specific target organ toxicity – repeated exposure: Shall not be classified as specific target organ toxicity – repeated exposure.

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.

12.2 Process of degradability

Readily biodegradable.

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.

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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)

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.

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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.

SAFETY DATA SHEET

IGL COATINGS™ ECOSHINE ENHANCER



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

PRODUCT NAME : IGL Coatings™ ecoshine enhancer
FUNCTION : Hydro & oleophobicizing 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 sensitization Category 1

Environmental hazards

Acute Aquatic Hazard Category 3

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS07

Signal word

Warning

Hazard statements

H317 May cause allergic skin reaction

H402 Harmful to aquatic life

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			80-100%
	231-791-2	Not applicable	Not applicable	
	Not applicable			
63148-62-9	Polydimethylsiloxane			5-10%
	613-156-5	Not applicable	Not applicable	
	Aquatic Acute 3: H402			
134180-76-0	Polysiloxane			0.1-1%
	603-798-4	Not applicable	Not applicable	
	Aquatic Chronic 3: H400; Skin Irr.2: H315; Eye Irr. 2: H319			

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Additional information:

The exact percentage of some ingredients used in this product are considered to be proprietary and are withheld as confidential business information.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Take off contaminated clothing.

After Inhalation

Move to fresh air. Call a physician if symptoms develop or persists.

After skin contact

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

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 dioxide, 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

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: see section 8

Disposal: see section 13

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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:

Wear protective gloves. 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.

Body protection:

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point : 100 °C

Flash point : >100 °C

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Density	: 1.006 g/cm ³ (20 °C)
Specific Gravity	: 1 (at 20 °C)
Volatile Organic %	: 0.0 %
pH	: 6
Evaporation Rate	: 1.141 (water = 1)
Solubility in Water	: Water soluble
Appearance (color)	: Cloudy white
Appearance (form)	: Liquid
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

Exposure route	Endpoint	Value	Species
Oral	LD50	4460 mg/kg	Rat
Dermal	LD50	11640 mg/kg	Rat

Skin corrosion/irritation: Shall not be classified as corrosion/ irritant to skin.

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

Specified substance: Polydimethylsiloxane

Endpoint	Value	Species	Exposure time
EC50	> 1 mg/L	Water flea (Daphnia magna)	48 hours
EC50	0.7 mg/L	Green algae (scenedesmus subspicatus)	72 hours

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.

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12.6 Other adverse effects

Data are not available.

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

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)

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.

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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.