

SAFETY DATA SHEET

IGL COATINGS™ ECOSHINE RENEW F4

Material no.

Specification

Version

154315

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

PRODUCT NAME : IGL Coatings™ ecoshine renew F4
FUNCTION : Surface rejuvenator and protection
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

Carcinogenicity	Category 1B
Aspiration Hazard	Category 1
Germ cell mutagenicity	Category 1B
Skin Irritation	Category 2

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS07



GHS08

Signal Word

Danger

Hazard statements

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H340	May cause genetic defects
H350	May cause cancer

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P264	Wash exposed skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
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			60-80%

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	231-791-2	Not applicable	Not applicable	
	Not applicable			
64742-48-9	Naphtha (petroleum), hydrotreated heavy			10-30%
	265-150-3	649-327-00-6	01-2119486659-16-0000	
	Asp. Tox. 1: H304; Muta. 1B: H340; Carc. 1B: H350; Flam Liq. 3: H226; Skin Irr. 2: H315			
7782-42-5	Graphene			≤0.1%
	231-955-3	Not applicable	Not applicable	
	Not applicable			

4. FIRST AID MEASURES

4.1 Description of first aid measures

After Inhalation

Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene.

If stops breathing, administer artificial respiration.

After skin contact

Wash contact areas with soap and water. Remove contaminated clothing.

Laundry contaminated clothing before reuse.

Seek medical attention if skin irritation, swelling or redness develops and persists.

After contact with eyes

Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully.

Remove contact lenses, if present.

If irritation, blurred vision or swelling occurs and persists, obtain medical advice from a specialist.

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 further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Foam, water fog, dry chemical powder, carbon dioxide.

5.2 Unsuitable extinguishing media

Direct water jet.

5.3 Special hazards arising from substance or mixture

Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds.

5.4 Advice for firefighters

General Information:

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

Special Protective Equipment for Fire-fighters:

In case of a large fire or in confined or poorly ventilated spaces wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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).

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6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Collect the leaked product into a suitable container.

Recommended materials: for container or container linings use mild steel, stainless steel.

Unsuitable materials: Some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use.

Compatibility should be checked with the manufacturer.

Make sure the leakage site is well aired. Absorb the remainder with inert absorbent material.

Contaminated material should be disposed of in compliance with the provisions set forth in section 13.

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).

Take precautionary measures against static electricity.

Use explosion-proof electrical/ventilating/lighting equipment.

The vapour is heavier than air. Beware of accumulation in pits and confined spaces.

Advice on protection against fire and explosion

Keep away from heat/sparks/open flames/hot surfaces – No smoking

Further information on handling

General protection and hygiene measures: Refer to section 8.

Avoid leakage of the product into the environment.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store only in the original container. Store in a well-ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.

Keep containers away from any incompatible materials (Refer to section 10).

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.

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:

Occupational Exposure Limit

	Type	Value
Canada. Alberta OELs	TWA	1590 mg/m ³
Canada Ontario OELs	TWA	525 mg/m ³
Canada Quebec OELs	TWA	1590 mg/m ³
DFG MAK List (advisory OELs)	TWA	5000 ppm 300 mg/m ³
Switzerland SUVA	STEL	5000 ppm 600 mg/m ³
EH40/2005 WELs (UK)	STEL	850 mg/m ³

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	TWA	566 mg/m ³
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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:

In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Use work gloves which providing adequate chemical resistance, specifically to aromatic hydrocarbons.

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. Gloves made of PVA are not water-resistant, and are not suitable for emergency 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: Wear airtight protective goggles.

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

Appearance (form)	: Opaque liquid
Appearance (colour)	: Greyish white
Odour	: Odorless
Boiling point	: 75 °C
Flash Point	: 65 °C
Ignition temperature	: >200 °C
Vapour pressure	: <1 hPa (at 20 °C)
Viscosity	: 300 cP
Explosive properties	: Non-explosive
Explosion limits	: 0.6 Vol % (Lower)
	: 6 Vol % (Upper)

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.

10.4 Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials : No information available.

10.6 Hazardous decomposition products : No dangerous decomposition products known at ambient temperature.

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11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: No information available.

Skin corrosion/irritation May causes skin irritation.

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

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Summary of evaluation of the CMR properties: No further relevant information available.

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

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

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

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%

12.6 Other adverse effects

Information not available.

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Reuse, when possible. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

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)	: -

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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.

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.