

SAFETY DATA SHEET

IGL COATINGS™ ECOSHINE FINISH F3



Material no.

Specification

154309

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™ ecoshine finish F3
FUNCTION : Cutting polishing compound
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

Acute Toxicity (Inhalation) Category 4
Carcinogenicity Category 1B
Aspiration Hazard Category 1

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
H331 Toxic if inhaled
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.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P304+P340 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+P313 IF exposed or concerned: Get medical advice/ attention.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
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	30-60%
	231-791-2 Not applicable Not applicable	
	Not applicable	
1344-28-1	Aluminium oxide	10-30%
	215-691-6 Not applicable 01-2119529248-35-0000	

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	Not applicable			
64742-47-8	Hydrocarbons, C10-C13, isoalkanes, cyclics <2% aromatics			10-30%
	265-149-8	649-422-00-2	01-2119484819-18-0000	
	Asp. Tox. 1: H304			
72623-86-0	Lubricating oils, (petroleum), C15-C30, hydrotreated neutral oil-based			1-5%
	276-737-9	649-482-00-X	01-2119474878-16-0000	
	Carc. 1B: H350			
8001-79-4	Castor oil			0.1-1%
	232-293-8	Not applicable	Not applicable	
	Not applicable			
151-21-3	Sodium lauryl sulfate			0.1-1%
	205-788-1	Not applicable	01-2119489461-32-0000	
	Acute Tox. 4: H302; Skin Irr. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412			

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

After Inhalation

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

If stop breathing, administer artificial respiration. Take suitable precautions for rescue workers.

After skin contact

Remove contaminated clothing. Rinse skin with a shower immediately.

Get medical advice/attention.

After contact with eyes

Remove contact lenses, if present.

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

Get medical advice/attention.

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

For symptoms and effects caused by the contained substances, refer to section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Information not available.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water, foam, dry chemical powder, carbon dioxide

5.2 Unsuitable extinguishing media

Direct water jets

5.3 Special hazards arising from substance or mixture

Not combustible.

5.4 Advice for firefighters

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

5.5 Unusual Fire Hazards:

No information available.

6. ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (Refer to section 8).

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. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7.

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).

Advice on protection against fire and explosion

Keep away from heat, sparks and naked flames.

Do not smoke or use matches or lighters.

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:

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:

No personal respiratory protective equipment normally required. 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.

Protection of hands:

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific

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local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

Material of gloves:

Gloves suitable for permanent contact:

Material : Butyl-rubber

Break through time : ≥ 480 min

Material thickness : ≥ 0.7 mm

Gloves suitable for splash protection:

Material : Nitrile rubber/nitrile latex

Break through time : ≥ 30 min

Material thickness : ≥ 0.4 mm

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)	: Liquid
Appearance (colour)	: Light blue
Odour	: Characteristic
Boiling point	: >82 °C
Flash Point	: >82 °C
Specific density	: 0.987 g/mL
Evaporating rate	: 1.155 (Water =1)
Viscosity	: 4472 cP
VOC (Directive 1999/13/EC)	: 5.34 % - 54.97 g/litre
VOC (volatile carbon)	: 0

10. STABILITY AND REACTIVITY

10.1 Reactivity: No decomposition if stored and applied as directed.

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: Formation of explosive/vapour mixture is possible.

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: Fire may cause evolution of: Carbon oxides.

Under certain fire conditions, traces of other toxic products cannot be excluded.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Exposure route	Endpoint	Value	Species	Source
Oral	LD50	19231 mg/kg	Rat	ECHA
Dermal	LD50	5868 mg/kg	Rat	ECHA
Inhalation	LC50	4.18 mg/L	Rabbit	ECHA

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

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

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

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Summary of evaluation of the CMR properties: Shall not be classified as a CMR.

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

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

Aspiration hazard: May causes aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Specified substance: Aluminium oxide

Endpoint	Value	Species	Exposure time	Sources
LC50	2.9 µmol/L	Freshwater fish	96 hours	ECHA
NOEC	4.7 - 23.1mg/L	Freshwater fish	28 days	ECHA
LC50	22 – 30.6 mg/L	Aquatic invertebrates	96 hours	ECHA
EC5	5.4 - 570 µg/L	Algae	96 hours	ECHA

Specified substance: Hydrocarbons, C10-C13, isoalkanes, cyclics <2% aromatics

Endpoint	Value	Species	Exposure time	Sources
LL50	2 – 5 mg/L	Freshwater fish	96 hours	ECHA
EL50	1.4 mg/L	Aquatic invertebrates	48 hours	ECHA
EL50	810 - 890 µg/L	Aquatic invertebrates	96 hours	ECHA
EL50	1 – 3 mg/L	Algae	72hours	ECHA

Specified substance: Lubricating oils, (petroleum), C15-30, hydrotreated neutral oil-based

Endpoint	Value	Species	Exposure time	Sources
LL50	100 mg/L	Freshwater fish	96 hours	ECHA
LL50	10 g/L	Aquatic invertebrates	96 hours	ECHA

Specified substance: Sodium lauryl sulphate

Endpoint	Value	Species	Exposure time	Sources
LC50	29 mg/L	Freshwater fish	96 hours	ECHA
NOEC	1.357 mg/L	Freshwater fish	42 days	ECHA
LC50	3.15 – 5.55 mg/L	Aquatic invertebrates	hours	ECHA
NOEC	880 µg/L	Aquatic invertebrates	7 days	ECHA
EC50	120 mg/L	Algae	72 hours	ECHA

12.2 Process of degradability

Readily biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bio accumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bio accumulating (vPvB).

12.6 Other adverse effects

No information 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

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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 or exempted from listing 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

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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.