

SAFETY DATA SHEET

IGL COATINGS™ ECOSHINE POLISH F2



Material no.

Specification

Version

154308

1.15

Revision date

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

PRODUCT NAME : IGL Coatings™ ecoshine polish F2
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

Eye Irritation Category 2
Skin Irritation Category 2
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 Maybe fatal if swallowed and enters airways
H315 Causes skin irritation
H319 Causes serious eye irritation
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.
P264 Wash exposed skin thoroughly after handling.
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.
P302+P313 IF exposed or concerned: Get medical advice/ attention.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: remove victim to fresh air and keep at rest in a position 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 CENTRE/doctor.
P331 Do not induce vomiting.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

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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			15-40%
	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	
	Not applicable			
64742-47-8	Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics <2% aromatics			10-30%
	265-149-8	649-422-00-2	01-2119484819-18-0000	
	Asp. Tox. 1: H304			
64742-94-5	Hydrocarbons, C10-13, aromatics, <1% naphthalene			10-30%
	922-153-0	Not applicable	01-2119451097-39-0000	
	Asp. Tox. 1: H304			
8000-41-7	Terpineol			5-10%
	232-268-1	Not applicable	01-2119553062-49-0003	
	Eye Irr. 2: H319; Skin Irr. 2: H315			
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

Remove from further exposure. Use adequate respiratory protection.

If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

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.

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5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water spray, alcohol resistant foam, carbon dioxide, dry powder.

5.2 Unsuitable extinguishing media

Direct water jet

5.3 Special hazards arising from substance or mixture

Hazards caused by exposure in the event of fire.

If large quantities of the product are involved in a fire, they can make it considerable worse.

Do not breath combustion products.

5.4 Advice for firefighters

Special protective equipment for firefighters : Respiratory protection complying with EN 143.

5.5 Unusual fire hazards

No information available.

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

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Collect recovered product and other contaminated materials in suitable tanks or containers for recovery or safe disposal.

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, see section 10 for details.

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

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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:

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:

Protect hands with category III work gloves (Refer to standard EN 374). The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

Material of gloves:

Chemical resistant gloves are recommended. 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.

Gloves suitable for permanent contact:

Material : Nitrile rubber/nitrile latex

Break through time : ≥ 480 min

Material thickness : 0.35 mm

Material : butyl-rubber

Break through time : ≥ 480 min

Material thickness : 0.5 mm

Eye protection: Wear airtight protective goggles (Refer to standard EN 166).

Body protection:

Wear professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling point	: >85 °C
Flash Point	: >85 °C
Relative density	: 1.095 kg/L
Evaporating rate	: 0.918 (Water =1)
Viscosity	: 3553 cPs
VOC (Directive 1999/13/EC)	: 5.34 - 54.97 g/litre
VOC (volatile carbon)	: 0
Appearance (form)	: Viscous liquid
Appearance (colour)	: White
Odour	: Characteristic

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: The vapours may also form explosive mixtures with the air.

10.4 Conditions to avoid: Open flame and high energy ignition sources.

10.5 Incompatible materials: No information available.

10.6 Hazardous decomposition products: In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released, e.g. carbon dioxide and carbon monoxide.

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11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Exposure route	Endpoint	Value	Species	Source
Oral	LD50	2830.2 mg/kg	Rat	ECHA
Dermal	LD50	4135 mg/kg	Rat	ECHA
Inhalation	LC50	3.66 mg/L	Rat	ECHA

Skin corrosion/irritation: May causes skin irritation.

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

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 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: Hydrocarbons, C10-C13, aromatics, <1% naphthalene

Endpoint	Value	Species	Exposure time	Sources
LC50	730 - 1100 µg/L	Freshwater fish	96 hours	ECHA
EC50/LC50	910 - 1990 µg/L	Freshwater invertebrates	48 hours	ECHA
EL50	810 - 890 µg/L	Aquatic invertebrates	21 days	ECHA
EC50	790 - 1300 µg/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

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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

The product does not contain any component considered to be PBT or vPvB in percentage greater than 0.1%.

12.6 Other adverse effects

No information 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) : -
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.

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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

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

Component	CAS No.
Aluminium oxide	1344-28-1

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.