

# SAFETY DATA SHEET

## IGL COATINGS™ ECOSHINE COMPOUND F1



Material no.

Specification

154307

Revision date

16.02.2021

Version

1.15

Page

1 of 7

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

PRODUCT NAME : IGL Coatings™ ecoshine compound F1  
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

Carcinogenicity Category 1B  
Aspiration Hazard Category 1

#### 2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS08

##### Signal Word

Danger

##### Hazard statements

H304 May be fatal if swallowed and enters airways  
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/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+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.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P331 Do NOT induce vomiting.  
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)	
1344-28-1	Aluminium oxide	15-40%
	215-691-6 Not applicable 01-2119529248-35-0000	
	Not applicable	

# SAFETY DATA SHEET

## IGL COATINGS™ ECOSHINE COMPOUND F1



Material no.

Specification

Version

154307

1.15

Revision date

Page

16.02.2021

2 of 7

64742-47-8	Hydrocarbons, C10-C13, 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-C13, aromatic, <1% naphthalene			10-30%
	265-198-5	649-424-00-3	01-2119510128-50-0000	
	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	
	Skin Irr. 2: H315; 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

#### After Inhalation

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

Wash immediately with plenty of water for at least 15 minutes.  
Remove contact lenses, if present and easy to do. Get medical advice/attention.

#### After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting as there is high risk of aspiration.  
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 or carbon dioxide.

### 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

Wear self-contained breathing apparatus and acid resistant clothing.  
Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).

### 5.5 Unusual fire hazards:

# SAFETY DATA SHEET

## IGL COATINGS™ ECOSHINE COMPOUND F1

Material no.

Specification

Version

154307

1.15

Revision date

Page

16.02.2021

3 of 7



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

Collect the leaked product into a suitable container.

Evaluate the compatibility of the container to be used, by referring to section 10.

Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired.

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:

In case of insufficient ventilation, wear self-contained breathing apparatus.

###### Protection of hands:

# SAFETY DATA SHEET

## IGL COATINGS™ ECOSHINE COMPOUND F1



Material no.

Specification

154307

Revision date

16.02.2021

Version

1.15

Page

4 of 7

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### 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. The types of gloves to be considered for this material include: If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, CEN standards EN 420 and EN 374 provide general requirements and lists of glove types.

### 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:** If contact is likely, safety glasses with side shields are recommended.

### 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	: 85 °C
Flash Point	: >85 °C
Evaporating rate	: 0.949 (water = 1)
Viscosity	: 5127 cP
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:** No further information available.

**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:** Material does not decompose at ambient temperature. In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Exposure route	Endpoint	Value	Species	Source
Oral	LD50	2999 mg/kg	Rat	ECHA
Dermal	LD50	3544.3 mg/kg	Rat	ECHA
Inhalation	LC50	63.6 mg/L	Rat	ECHA

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

**Serious eye damage/eye irritation:** May causes mild eye irritation or eye damage.

**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.

# SAFETY DATA SHEET

## IGL COATINGS™ ECOSHINE COMPOUND F1

Material no.

Specification

Version

154307

1.15

Revision date

Page

16.02.2021

5 of 7



## 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

### 12.2 Process of degradability

Readily biodegradable.

### 12.3 Bioaccumulative potential

Information not available.

### 12.4 Mobility in soil

Information not 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

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

# SAFETY DATA SHEET

## IGL COATINGS™ ECOSHINE COMPOUND F1



Material no.

Specification

154307

Revision date

16.02.2021

Version

1.15

Page

6 of 7

### 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 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

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.

# SAFETY DATA SHEET

## IGL COATINGS™ ECOSHINE COMPOUND F1



Material no.

Specification

Version

**154307**

**1.15**

Revision date

Page

**16.02.2021**

7 of 7

### 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.

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## 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.