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

PRODUCT NAME	: IGL Coatings™ ecocoat trim
FUNCTION	: Plastic impregnate silica
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

Physical hazard	
Flammable liquid	Category 2
Health hazard	
Skin irritation	Category 2
Eye irritation	Category 2
Reproductive toxicity	Category 2
Specific Target Organ Toxicity-Single Exposure	Category 3
Specific Target Organ Toxicity-Repeated Exposure	Category 2
Aspiration Hazard	Category 1
Environmental Hazard	
Hazardous to the aquatic environment (Chronic)	Category 2

2.2 Label Elements

Regulation (EC) No. 1272/2008

GHS02

GHS08

GHS09

Signal word

Danger

Hazard statements

H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness and dizziness (narcotic effects).
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs.
H411	Toxic to aquatic life with long lasting effects

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.

P243	Take precautionary measures against static discharge.
P260	Do not breathe vapours.
P264	Wash hand thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, eye protection and face mask.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
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.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see Section 4).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370+P378	In case of fire: use foam/dry chemical/carbon dioxide to extinguish.
P391	Collect spillage.
P403+P233+P235	Store in a well-ventilated place. Keep container tightly closed and 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)			
110-54-3	Hexane			30-60%
	203-777-6	601-037-00-00	01-2119480412-44-0001	
	Flam. Liq. 2: H225; Skin Irr. 2: H315; Asp. Tox. 1: H304; Repr. 2: H361; STOT SE. 3: H336; STOT RE. 2: H373; Aquatic Chronic 2: H411			
2943-75-1	Triethoxyoctylsilane			30-60%
	220-941-2	Not applicable	01-2119972313-39-0000	
	Eye Irr 2: H319			
68037-85-4	Siloxanes and silicones			10-30%
	614-229-4	Not applicable	Not applicable	
	Flam. Liq. 3: H226			

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Take off contaminated clothing.

After Inhalation

Remove to fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

After skin contact
Remove product from skin with dry cloth or towel, and wash exposes area with detergent.
Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.
After contact with eyes
Immediately flush 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
Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person.
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
Foam, dry chemical or carbon dioxide.

5.2 Unsuitable extinguishing media
Not known.

5.3 Special hazards arising from the substance or mixture
Flammable liquid.
Hazardous toxic and irritating fumes or smoke may be emitted.
Vapours may travel considerable distance to ignition source and flash back.

5.4 Advise for firefighters
As in any fire, wear normal protective equipment (full bunker gear) and positive-pressure and self-contained breathing apparatus.

5.5 Unusual Fire Hazards:
Not known

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
Shut off all ignition sources.
Contain the spill or leak.
Scrape up with rag and place in container.

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).
Avoid contact with eyes and skin.
Use only with adequate ventilation.
Advice on protection against fire and explosion
Keep container closed when not in use.
Keep away from heat, sparks and flame.

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
Store in a cool place below 40°C.
Keep container tightly closed in a cool, well-ventilated place.

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.
Protect against UV-radiation/sunlight or heat.
Static electricity may accumulate and cause a fire hazard.
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. Ensure adequate ventilation.

8.2.2 Personal protective equipment:

Respiratory protection:
Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Protection of hands:
Use chemical resistance glove. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Example of suitable chemical protective gloves include Silver shield (TM). 4H(TM), butyl rubber, fluorinated rubber or PVA (4H) or other appropriate gloves/ gauntlets. 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: Goggles/safety glasses are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling point	: 69 °C	(Hexane)
Vapour pressure	: 16 kPa (at 20 °C)	(Hexane)
Density	: 0.8 g/ml (at 20 °C)	
Melting point	: -95 °C	(Hexane)
Flash point	: -22 °C	(Hexane)
Auto-ignition temperature	: 225 °C	(Hexane)
pH	: 7.0 ± 0.5	
Solubility in water	: Not easy to be melted	
Appearance (colour)	: Clear colorless viscous liquid	

Appearance (form) : Liquid
Odour : Odorless

10. STABILITY AND REACTIVITY

10.1 Reactivity: No further relevant information available.
10.2 Chemical stability: Stable under normal condition.
10.3 Possibility of hazardous reactions: No dangerous reactions known.
10.4 Conditions to avoid: Sunlight, heat, open flames, high temperature, sparks, static electrical charge, other ignition sources.
10.5 Incompatible materials: Oxidizing agent.
10.6 Hazardous decomposition products: Carbon monoxides carbon oxides, silicon dioxide, formaldehyde.
10.7 Hazardous polymerization: Will not occur.
Methanol (flammable and poisonous liquid). Thermal breakdown 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, silicon dioxide and formaldehyde.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: No data available
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/eye irritation: Causes serious eye irritation.
Respiratory or skin sensitization: No data available.
Summary of evaluation of the CMR properties: Reproductive toxicant. Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single exposure: May cause drowsiness and dizziness.
Specific target organ toxicity – repeated exposure: May cause damage to organs.
Aspiration hazard: May be fatal if swallowed and enters airways

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 data available.
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.

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods
Can be burned in chemical incinerator equipped with afterburn and scrubber but exert extra care in igniting as this product is very flammable.
Sewage disposal-related information
Do not empty into drains.
Do not dispose of the emptied container unless the contents have been completely removed and container has been flushed with a clean neutral solvent and then dried up. Do not dispose the emptied container unlawfully.
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	: 1263
UN proper shipping name	: Paint-related materials
Transport hazard class(es)	: 3
Packing group	: II
Environmental hazards	: Yes
Special precautions for user	: No data available.
Remarks	: -

14.2 IMDG-Code

UN number	: 1263
UN proper shipping name	: Paint-related materials
Transport hazard class(es)	: 3
Packing group	: II
Environmental hazards	: Yes
Marine pollutant	: Yes
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 the CERCLA Hazardous Substance List

Component	CAS No.
Hexane	110-54-3

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.
Hexane	110-54-3

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CRF 68.130)

None present or none present in regulated quantities.

US. State Regulation

US. California Proposition 65

Warning: This product can expose you to chemicals including, hexane, which is known to the State of California to cause reproductive harm.

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.