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

PRODUCT NAME	: IGL Coatings™ ecocoat quartz
FUNCTION	: Hydro- & oleophobizing and easy clean agent surface modifier and gloss enhancer
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 hazards

Flammable liquids	Category 3

Health hazards

Specific Target Organ Toxicity – Single exposure	Category 2

Environmental hazards

Aquatic Acute	Category 1
Aquatic Chronic	Category 2

2.2 Label Elements

Regulation (EC) No. 1272/2008

GHS02

GHS08

GHS09

Signal word

Danger

Hazard statements

H226	Flammable liquid and vapour
H371	May cause damage to organs
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Precautionary statements

P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P240	Ground container and receiving equipment.
P241	Use explosion-proof electrical 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
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to environment.
P280	Wear protective gloves, protective clothing, eye protection and face mask.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off 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.
P308+P316	IF exposed or concerned: Get emergency medical help immediately
P370+P378	In case of fire: Use extinguishing powder, alcohol-resistant foam or carbon dioxide for extinction.
P391	Collect spillage.

P405	Store locked up.
P403+P233+P235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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)			
63148-62-9	Polydimethylsiloxane			40-60%
	613-156-5	Not applicable	Not applicable	
	Not Available			
68551-15-5	Isononane			40-60%
	271-364-8	Not applicable	Not applicable	
	Flam Liq. 2: H225; Asp. Tox. 1: H304; Acute Tox. 4: H332; STOT SE 2: H371; Aquatic Acute 1: H400; Aquatic Chronic 2: H411			

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Take person to a safe place. Observe self-protection for first aid.

After Inhalation

Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat.
In cases of sickness, seek medical advice.

After skin contact

Remove contaminated or soaked clothing. Immediately rinse with plenty of soap and water.
In the event of a visible skin change or other complaints, seek medical advice.

After contact with eyes

Rinse immediately with plenty of water for 10-15 minutes. Remove contact lenses, if presence and easy to do.
Seek medical advice in case of continuous irritation.

After ingestion

If conscious, give several small portions of water to drink. Do not induce vomiting.
Seek medical advice immediately and clearly identify substance.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

In case of contact with water materials splits off (also in gastrointestinal tract) methanol in larger amounts; therefore consider poisoning on methanol and also observe known period of latency of several days.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water mist, dry powder, alcohol resistant foam, carbon dioxide, sand.

5.2 Unsuitable extinguishing media

Water spray and water jet

5.3 Special hazards arising from the substance or mixture

No data available.

5.4 Advise for firefighters

Use respiratory protection independent of recirculated air.

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). Keep unprotected person away.
Avoid contact with skin and eyes. Avoid inhaling mists and vapours.
If material is released indicate risk of slipping.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sews and soil.
Contain any fluid that runs out using suitable material (e.g. earth).
Retain contaminated water/extinguishing water.
Dispose of in prescribed marked containers.

6.3. Methods and material for containment and cleaning up

Do not flush away with water.
For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations.
Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Exhaust vapours.

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 inhalation of vapour or mist.
Keep away from sources of ignition – No smoking.
Take measures to prevent the build-up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Moisture sensitive.

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.

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. Do not inhale gases/vapours/aerosols.
Do not eat, drink or smoke when handling.

8.2.2 Personal protective equipment:

Respiratory protection:

In case of long or strong exposure: gas mask filter ABEK.

Protection of hands:

Using gloves made from butyl rubber. Gloves suitable for up to 60 minutes' use. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Eye protection: Tight fitting protective goggles.
Skin protection: Protective clothing.

8.3 Exposure to the environment limited and controlled:
Prevent material from entering surface waters and soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	: 165 °C
Density	: 0.86 g/cm^3 at 25 °C
Flash Point	: 24 °C
pH	: Not applicable
Solubility in Water	: Virtually insoluble
Appearance (colour)	: Clear colorless liquid
Appearance (form)	: Liquid
Odour	: Peculiar

10. STABILITY AND REACTIVITY

10.1 Reactivity: Not classified as a reactivity hazard.
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 data available.
10.4 Conditions to avoid: Moisture, heat, open flame and other sources of ignition.
10.5 Incompatible materials: Oxidizing agents, acid and water.
10.6 Hazardous decomposition products: When heated to temperature above 150°C (300F) in the presence of air, product can form formaldehyde vapours. Hazardous decomposition products will be formed upon contact with water and humid air.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: No data available.
Acute toxicity: No data available.
Skin corrosion/irritation : No data available.
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization : No data available.
Summary of evaluation of the CMR properties : No data available.
Specific target organ toxicity – single exposure: No data available.
Specific target organ toxicity – repeated exposure: No data available.
Aspiration hazard: No data 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 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

Material:

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator.

Observe local/state/ federal regulations.

Uncleaned packaging:

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully).

Containers may be recycled or re-used. Observe local/state/ federal regulations.

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

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

14. TRANSPORT INFORMATION

14.1 IATA-DGR

UN number	: UN 1263
UN proper shipping name	: Paint related materials
Transport hazard class(es)	: 3
Packing group	: III
Environmental hazards	: --
Special precautions for user	: No data available.

14.2 IMDG-Code

UN number	: UN 1263
UN proper shipping name	: Paint related materials
Transport hazard class(es)	: 3
Packing group	: III
Environmental hazards	: Yes
Marine pollutant	: Yes

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 CRF 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
No chemical safety assessment is required for this product.

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.