

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAN DELETE

Material no.

Specification

Version

154305

Revision date

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

PRODUCT NAME : IGL Coatings™ ecoclean delete
FUNCTION : Stain-removing agent
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

Skin Corrosion Category 1B
Serious Eye Damage Category 1

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS05

Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Precautionary statements

P260 Do not breathe mist, vapours, spray.
P264 Wash exposed skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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 person to fresh air and keep 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 CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.
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			80-100%
	231-791-2	Not applicable	Not applicable	
	Not applicable			
7664-39-3	Hydrofluoric acid			3-7%
	231-634-8	009-002-00-6	Not applicable	

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	Acute Tox. 1: H310; Acute Tox. 2: H330; Acute Tox. 2: H300; Skin Corr. 1A: H314			
16961-83-4	Fluorosilicic Acid			1-5%
	241-034-8	009-011-00-5	01-2119488906-19-0000	
	Skin Corr. 1B: H314; Eye Dam. 1: H318			
7664-93-9	Sulphuric Acid			0.5-1.5%
	231-639-5	016-020-00-8	01-2119458838-20-0000	
	Skin Corr. 1A: H314; 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

General Information

Take off contaminated clothing.

After Inhalation

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

After skin contact

Gently wash with plenty of water or shower. Do not apply (chemical) neutralizing agents.

In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for at least 15 minutes. Do not apply (chemical) neutralizing agents.

Remove contact lenses, if presence and easy to do.

In case of troubles or when symptoms persist, consult an ophthalmologist.

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

Symptoms/effects after inhalation

Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

Symptoms/effects after skin contact

Caustic burn/corrosion of the skin.

Symptoms/effects after eye contact

Corrosion of the eye tissue. Permanent eye damage.

Symptoms/effects after ingestion

Nausea. Abdominal pain. Burns to the gastric/intestinal mucosa.

Chronic symptoms

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Itching. Skin rash/inflammation.

Inflammation/damage of the eye tissue.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Unsuitable extinguishing media

None.

5.3 Special hazards arising from substance or mixture

Heating can release hazardous vapours such as hydrogen fluoride, silicon tetrafluoride and hydrogen gas.

5.4 Advice for firefighters

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Wear self-contained breathing apparatus for firefighting if necessary.

5.5 Unusual Fire Hazards:

None.

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

Dilute with water and mop up or absorb with an inert dry material and placed in an appropriate waste disposal container.

Dispose of via a licensed waste disposal contractor.

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).

Eating and drinking should be prohibited in the area where this product is handled.

Wash hands before breaks and at the end of work.

Advice on protection against fire and explosion

Not flammable.

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

Keep container tightly closed in a cool and well-ventilated place.

Advice on storage compatibility

Separate from alkalis.

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, forearms and face before eating and at the end of work.

8.2.2 Personal protective equipment:

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use

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respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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: Safety eyewear complying with an approved standard should be used to avoid exposure to liquid splashes.

Recommended: Tightly fitting goggles and face shield.

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	: 100 °C
Flash Point	: 100 °C
Specific Gravity	: 1.05 (at 20 °C)
Density	: 1.02 g/cm ³
Volatile Organic %	: 0%
pH	: 1.0-2.0
Evaporation Rate	: 0.87 (water =1)
Solubility in Water	: Water soluble
Appearance (color)	: Clear colorless liquid
Appearance (form)	: Liquid
Odour	: Odorless

10. STABILITY AND REACTIVITY

10.1 Chemical stability: Stable under normal condition.

10.2 Reactivity: Reactive or incompatible with alkalis. Keep away of heat sources.

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: Avoid alkalis, extreme temperature and direct sunlight.

10.5 Incompatible materials: Strong oxidizing agents, alkalis and metals.

10.6 Hazardous decomposition products: Hydrogen, hydrogen fluoride, sulfur compounds.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: No data available.

Skin corrosion/irritation: May causes skin irritation.

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

Respiratory or skin sensitization: No data available.

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.

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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 Bio-accumulative 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

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.

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

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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 CERCLA Hazardous Substance List

Component	CAS No.
Hydrofluoric acid	7664-39-3
Sulphuric acid	7664-93-9

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Emergency Planning and Community Right-To-Know Act (EPCRA) Section 302 Extremely Hazardous Substance

This product contains the following substance subject to the reporting requirements of EPCRA Section 302

Component	CAS No.
Hydrofluoric acid	7664-39-3
Sulphuric acid	7664-93-9

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.
Sulphuric acid	7664-93-9

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.