SAFETY DAT/ IGL COATINGS ™	_	CLIPSE	() igl coatings™
Material no.	LCOCOATI		ligi coannigs
Specification	154313	Revision date	16.02.2021
/ersion	1.14	Page	1 of 6
1. IDENTIFICATIO	ON OF THE SU	BSTANCE/PREPARATI	ON AND OF THE COMPANY/UNDERTAKING
PRODUCT NAM		Coatings [™] ecocoat eclip	-
FUNCTION			l easy clean agent surface modifier and gloss enhancer
COMPANY		nent Sdn Bhd	
ADDRESS			Hicom-Glenmarie Industrial Park, Seksyen U1, 40150 Shah Alan
PHONE		ngor. 355690980	
EMAIL ADDRES		llations@iglcoatings.cor	m
	J rege	indions@igicoutings.com	
2. HAZARDS IDE	NTIFICATION		
2.1 Classification	on of the subs	stance or mixture	
	EC) No. 1272/2	2008	
Physical haz			
Flammable L	•		Category 2
Health haza Eye Irritation			Category 2
•		y - Single Exposure	Category 2
2.2 Label Elem			
Regulation (EC) No. 1272/2	2008	
÷.		GHS07 GHS08	8
Signal word	I		
Danger			
Hazard stat H225		y flammable liquid and	Vapour
H302		ful if swallowed	vapoul
H319		es serious eye irritation	
H371		cause damage to organs	S
Precautiona P210	ry statements		amos (hat surfaces. No smalking
P210 P233		er tightly closed.	ames/hot surfaces. No smoking.
P235	Keep cool.	er tightiy closed.	
P240		ond container and rece	eiving equipment.
P241			ating/lighting] equipment.
P242	Use non-spar	king tools.	
P243		prevent static discharg	
P260		ne dust/ fume/ gas/ mis	,
P264	•	d skin thoroughly after l	-
P270		rink or smoke when usir	
P280 P305+P351+	•	• ·	othing/eye protection/face protection. with water for several minutes. Remove contact lenses, if press
r503+r551+		asy to do. Continue rins	with water for several minutes. Remove contact lenses, if prese sing
P308+P311		-	II a POSION CENTRE/doctor.
P337+P313	•		nedical advice/attention.
P370+P378		-	dry chemical or alcohol-resistant foam to extinguish.
P403+P235		in a well-ventilated place	-
P405	Store	locked up.	

P405

Store locked up. Dispose of contents/container to comply with local, state and federal regulations. P501

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CAS No.	Chemical Name	Chemical Name		
	EC No.	Index No.	REACH No.	
	Classification accordin	Classification according to Regulation (EC) No. 1272/2008 (CLP)		
70131-67-8	Polydimethylsiloxane	Polydimethylsiloxane		
	Not applicable	Not applicable	Not applicable	
	Not applicable	Not applicable		
64-17-5	Ethanol	Ethanol		
	200-578-6	603-002-00-5	01-2120063206-63-0000	
	Flam. Liq. 2: H225: Eye	Flam. Liq. 2: H225: Eye Irrit. 2: H319; STOT SE 2: H371; Acute Tox. 4: H302		

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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 soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for 15 minutes. Remove contact lenses, if presence and easy to do.

In case of troubles or persistent symptoms, 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

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

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

5.2 Unsuitable extinguishing media

No information available.

5.3 Special hazards arising from the substance or mixture

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 self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

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

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Treat the Clean col 6.4 Referen Safe hand Personal	ntaminated article ce to other sectio dling: Refer to sec	tion 7 nent: Refer to section 8	•	
Wear per Advice o Keep con Further i General p 7.2 Conditio Requirer Keep con Advice o Do not st Further i Keep the Protect a Static ele	in protection again itainer closed whe information on his protection and hys ons for safe storage itainer tightly close in storage compa- core together with information on storage packing dry and w gainst UV-radiatic ctricity may accun ended storage ter	andling giene measures: Refer to ge, including any inco e rooms and vessels ed in a cool, well-ventila	n o section 8. ompatibilities ated place. s. ontamination.	

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
Ethanol	1000 ppm TWA	1000 ppm TWA; 1900 mg/m ³ TWA; 3300 ppm IDLH	1000 ppm TWA; 1900 mg/m ³ TWA

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: 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.

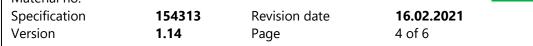
Protection of hands:

Wear appropriate protective gloves to prevent skin exposure.

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.

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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 recommended during refilling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	: 78 °C
Vapour Pressure	: 12 kPa (at 20 °C)
Vapor Density	: 4.0 (Air = 1)
Specific Gravity	: 0.99 (at 20 °C)
Melting Point	: -130 °C
Flash Point	: 20 °C
Autoignition Temp	: 375 °C
рН	: 7.0 ± 0.5
Evaporation Rate	: >1 (Butyl Acetate = 1)
Solubility in Water	: Not soluble (hydrolysed with water)
Appearance (colour)	: Transparent
Appearance (form)	: Liquid
Odour	: Peculiar fragrance

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 dangerous reactions known under normal processing.
- **10.4 Conditions to avoid**: Sunlight, heat, open flames, high temperature, sparks, static electrical charge, other ignition sources
- **10.5 Incompatible materials**: Oxidizers.
- 10.6 Hazardous decomposition products: No data available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Exposure route	Endpoint	Value	Species	Source
Oral	LD50	8300 mg/kg	Rat	ECHA
Inhalation	LC50	115.9 – 133.8 mg/L	Rat	ECHA

Skin corrosion/irritation: Causes moderate skin irritation.

Eye irritation: Causes moderate 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: Shall not be classified as aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Specific substance: Ethanol

Endpoint	Value	Species	Exposure time	Source
LC50	11.2 – 14.2 g/L	Freshwater fish	4 days	ECHA
NOEC	250 mg/L	Freshwater fish	5 days	ECHA
EC50	5.012 g/L	Freshwater invertebrates	48 hours	ECHA
NOEC	9.6 mg/L	Freshwater invertebrates	10 days	ECHA
EC50	275 mg/L	Freshwater algae	4 days	ECHA

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12.2 Process of degradability

Readily biodegradable.

- **12.3 Bioaccumulative potential** No data available.
- **12.4 Mobility in soil** No data available.
- **12.5 Results of PBT and vPvB Assessment** This substance is not PBT/ vPvB.

12.6 Other adverse effects

Data are not 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	: 1263
UN proper shipping name	: Paint-related materials
Transport hazard class(es)	: 3
Packing group	: 11
Environmental hazards	: No
Special precautions for user	: -
Remarks	: -
14.2 IMDG-Code	
UN number	: 1263
UN proper shipping name	: Paint-related materials
Transport hazard class(es)	: 3
Packing group	: 11
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.

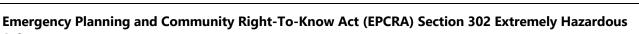
Superfund Amendments and Reauthorization Act of 1986 (SARA)

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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

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.