GL COATINGS™ ECOCO ∕laterial no.	EET DAT KENZO BASE igl coatings
pecification 1543 Version 1.0	03 Revision date 16.02.2021 Page 1 of 6
1. IDENTIFICATION OF T	HE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
PRODUCT NAME	: IGL Coatings™ ecocoat kenzo base
FUNCTION	: Hydro- & oleophobic 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 Ala
	Selangor. : +60378310980
PHONE EMAIL ADDRESS	
EIVIAIL ADDRESS	: regulations@iglcoatings.com
2. HAZARDS IDENTIFICA	
	ne substance or mixture
Regulation (EC) No.	1272/2008
Physical hazards	Catagory
Flammable Liquids Health hazards	Category 4
Skin Irritation	Category 3
Eye Irritation	Category 2
Environmental naza	aros
Environmental haza Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No.	ard Category 2 1272/2008
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. GHS07 Signal word	ard Category 2
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. GHS07	ard Category 2 1272/2008 GHS09
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. GHS07 Signal word Warning	ard Category 2 1272/2008 GHS09
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. GHS07 Signal word Warning Hazard statements	ard Category 2 1272/2008 GHS09
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. GHS07 Signal word Warning Hazard statements H227	ard Category 2 1272/2008 GHS09 Combustible liquid
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. GHS07 Signal word Warning Hazard statements H227 H316	ard Category 2 1272/2008 GHS09 Combustible liquid Causes mild skin irritation
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. GHS07 Signal word Warning Hazard statements H227 H316 H319	ard Category 2 1272/2008 GHS09 Combustible liquid Causes mild skin irritation Causes serious eye irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411	ard Category 2 1272/2008 GHS09 Combustible liquid Causes mild skin irritation Causes serious eye irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. GHS07 Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264	ard Category 2 1272/2008 Vortex GHS09 Combustible liquid Causes mild skin irritation Causes serious eye irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects ements Keep away from open flames and hot surfaces. No smoking. Wash exposed skin thoroughly after handling.
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273	ard Category 2 1272/2008 Combustible liquid GHS09 Combustible liquid Causes mild skin irritation Causes serious eye irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects Ements Keep away from open flames and hot surfaces. No smoking. Wash exposed skin thoroughly after handling. Avoid release to the environment.
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280	ard Category 2 1272/2008 Combustible liquid GHS09 GHS09 Combustible liquid Causes mild skin irritation Causes mild skin irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects Coments Ements Keep away from open flames and hot surfaces. No smoking. Wash exposed skin thoroughly after handling. Avoid release to the environment. Wash personal protective equipment. Variant of the equipment.
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280 P302+P352	ard Category 2 1272/2008 Combustible liquid GHS09 Combustible liquid Causes mild skin irritation Causes mild skin irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects coments Keep away from open flames and hot surfaces. No smoking. Kash exposed skin thoroughly after handling. Avoid release to the environment. Wash personal protective equipment. IF ON SKIN: Wash with plenty of soap and water.
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280	ard Category 2 1272/2008 Combustible liquid GHS09 GHS09 Combustible liquid Causes mild skin irritation Causes mild skin irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects Cements Keep away from open flames and hot surfaces. No smoking. Wash exposed skin thoroughly after handling. Avoid release to the environment. Wear personal protective equipment. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if preser
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280 P302+P352 P305+P351+P338	ard Category 2 1272/2008 Combustible liquid Gauses mild skin irritation Causes mild skin irritation Causes mild skin irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects Cements Keep away from open flames and hot surfaces. No smoking. Wash exposed skin thoroughly after handling. Avoid release to the environment. Wear personal protective equipment. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing.
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280 P302+P352 P305+P351+P338 P332+P313	ard Category 2 1272/2008 Combustible liquid Gauses mild skin irritation Causes mild skin irritation Causes mild skin irritation Causes mild skin irritation Combustible liquid Causes mild skin irritation Causes mild skin irritation Stime stime Mash exposed skin thoroughly after handling. Avoid release to the environment. Wear personal protective equipment. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. If skin irritation occurs: Get medical attention.
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280 P302+P352 P305+P351+P338	ard Category 2 1272/2008 Combustible liquid GHS09 GHS09 Combustible liquid Causes mild skin irritation Causes mild skin irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects Combustible liquid effects Sements Keep away from open flames and hot surfaces. No smoking. Wash exposed skin thoroughly after handling. Avoid release to the environment. Wear personal protective equipment. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention.
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280 P302+P352 P302+P352 P305+P351+P338 P332+P313 P332+P313	ard Category 2 1272/2008 Combustible liquid Gauses mild skin irritation Causes mild skin irritation Causes mild skin irritation Causes mild skin irritation Combustible liquid Causes mild skin irritation Causes mild skin irritation Stime stime Mash exposed skin thoroughly after handling. Avoid release to the environment. Wear personal protective equipment. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. If skin irritation occurs: Get medical attention.
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280 P302+P352 P305+P351+P338 P332+P313 P337+P313	ard Category 2 1272/2008 isolation isolation GHS09
Chronic Aquatic haza 2.2 Label Elements Regulation (EC) No. Signal word Warning Hazard statements H227 H316 H319 H411 Precautionary state P210 P264 P273 P280 P302+P352 P305+P351+P338 P332+P313 P337+P313 P370+P378	ard Category 2 1272/2008 Combustible liquid Gauses mild skin irritation Causes mild skin irritation Causes serious eye irritation Toxic to aquatic life with long lasting effects Sements Keep away from open flames and hot surfaces. No smoking. Wash exposed skin thoroughly after handling. Avoid release to the environment. Wear personal protective equipment. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if preser and easy to do. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. In case of fire: Use extinguishing powder, alcohol-resistant foam or carbon dioxide to extinguish.



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CAS No.	Chemical Name	Chemical Name		
	EC No.	Index No.	REACH No.	
	Classification according	g to Regulation (EC) l	No. 1272/2008 (CLP)	
2530-83-8	3-Glycidyloxypropyltrir	nethoxysilane		30-60%
	219-784-2	Not applicable	01-2119513212-58-0000	
	Eye Dam. 1: H318			
63148-62-9	Dimethyl siloxane			10-30%
	613-156-5	Not applicable	Not applicable	
	Eye Irr. 2: H319; Aquati	c Chronic 2: H411		
2943-75-1	Triethoxy-n-octylsilane	l.		10-30%
	220-941-2	Not applicable	01-2119972313-39-0000	
	Skin Irr. 2: H315; Aquat	ic chronic 2: H411		
5593-70-4	Titanium tetrabutanola	te		0.1-1%
	227-006-8	Not applicable	01-2119967423-33-0000	
	Flam. Liq 3: H226; Skin	Flam. Liq 3: H226; Skin Irr. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335		
7782-42-5	Graphene			
	231-955-3	Not applicable	01-2119486977-12-0000	

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

Not applicable

After Inhalation

Keep the patient calm. If unconscious, place in stable sideway position.

After contact with skin

Remove contaminated or soaked clothing. Wash off immediately with soap and plenty of 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 swallowing

If conscious, give several small portions 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 Extinguishing media

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

5.2 Unsuitable extinguishing media

Water spray, 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.

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5.5 Unusual Fire Hazards:

None

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Keep unprotected persons away. Avoid contact with eyes and skin.

Avoid inhaling mists and vapours. If material is released indicate risk of slipping.

6.2 Environmental precautions

Prevent material from entering surface water, drains or sewers and soil.

Contain any fluid that runs out using suitable material (e.g. earth).

Retain contaminated water/extinguishing water. Dispose of in prescribed 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 into suitable containers. Clean any slippery coating that remains using a detergent/soap solution. Exhaust vapour.

6.4 Reference to other sections

Safe handling: Refer to section 7 Personal protection equipment: Refer to section 8 Disposal: Refer to section 13

HANDLING AND STORAGE 7

7.1 Precautions for safe handling

Wear personal protection equipment (Refer to section 8).

Ensure adequate ventilation.

Keep away from incompatible substances in accordance with section 10.

Spilled substance increases risk of slipping.

Precaution against fire and explosion

Product can separate methanol. Flammable vapor may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

7.2 Conditions for safe storage, including any incompatibilities

Condition for storage rooms and vessels

Make sure there is no possibility of entering the ground.

Advice for storage of incompatible materials

Not applicable

Further information for storage

Protect against moisture.

Store in original container only.

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

7.3. Specific end use(s)

No data available.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: No information available

8.2 Exposure Control

8.2.1 Exposure in the workplace limited and controlled General protective and hygienic measures Avoid contact with eyes and skin. Do not inhale vapours. Do not eat, drink, or smoke when handling.

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8.2.2 Personal protective equipment:

Respiratory protection

In case of long and strong exposure, use mask with an ABEK filter.

Hand protection

Use protective gloves made of butyl rubber. Gloves suitable for up to 60 minutes' use. The selection of appropriate gloves not only depends on the material, but also on the other quality characteristics, and may vary depending on the manufacturer. Please observe information from your glove supplier in terms of permeability and breakthrough time.

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Eye protection

Tight fitting protective goggles.

Skin protection

Protective clothing

8.2.3 Exposure to the environment limited and controlled

Prevent materials from entering surface waters and soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

: Liquid
: Transparent black
: Not applicable
: Not applicable
: 180-220 °C
: 1.068 g/cm ³ (at 25°C)
: >65°C
: Virtually insoluble

10. STABILITY AND REACTIVITY

10.1 Reactivity: Not classified as a reactivity hazard.

10.2 Chemical stability: Stable under normal condition.

- 10.3 Possibility of hazardous reactions: No data available.
- 10.4 Conditions to avoid: Moisture, heat, open flames and other sources of ignition.
- 10.5 Incompatible materials: Oxidising agents, acids, water.
- **10.6 Hazardous decomposition products**: When heated to temperatures above 150°C (300 F) in the presence of air, product can form formaldehyde vapours. Hazardous decomposition products will be formed upon contact with water or humid air.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Exposure route	Endpoint	Value	Species	Source
Oral	LD50	6871 mg/kg	Rat	ECHA
Dermal	LD50	4854 mg/kg	Rat	ECHA

Skin corrosion/irritation: Causes mild skin irritation.

Serious eye damage/eye irritation: Causes mild eye irritation.

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

Specified substance: 3-Glycidyloxypropyltrimethoxysilane

Endpoint	Value	Species	Exposure time	Source
LC50	45 mg/L	Fish	4 days	ECHA



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EC50/LC50	266 mg/L	Freshwater invertebrates	48 hours	ECHA
NOEC	82 mg/L	Freshwater invertebrates	21 days	ECHA
EC50	288 mg/L	Algae and cyanobacteria	4 days	ECHA

Specified substance: Triethoxy-n-octylsilane

Endpoint	Value	Species	Exposure time	Source
LC50	55 µg/L	Fish	4 days	ECHA
EC50	49 µg /L	Freshwater invertebrates	48 hours	ECHA
NOEC	189 µg /L	Freshwater invertebrates	21 days	ECHA
EC50	130 µg /L	Algae and cyanobacteria	72 hours	ECHA

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

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 discharged containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or reused. Observe local/state/federal regulations.

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	
14.2 IMDG-Code UN number	: -
	: - : Non dangerous goods
UN number	·
UN number UN proper shipping name	: Non dangerous goods
UN number UN proper shipping name Transport hazard class(es)	: Non dangerous goods : -
UN number UN proper shipping name Transport hazard class(es) Packing group	: Non dangerous goods : - : -

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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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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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

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.

SAFETY DATA SHEET IGL COATINGS™ ECOCOAT KENZO TOP Material no. Specification 154323 Revision date 16.02.2021 Version 1.0 Page 1 of 6 I DENTIFICATION THE SUBSTREPARATION FOR THE COMPANY/UNDERTAKING PRODUCT NAME : IGL Coatings™ ecocoat kenzo top FUNCTION : Hydro- & oleophobic and easy-clean agent surface modifier and gloss enhancer

FUNCTION	: Hydro- & oleophobic 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	: +60378310980
EMAIL ADDRESS	: regulations@iglcoatings.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008				
Physical hazards				
Flammable Liquid	Category 4			
Health hazards				
Reproduction Toxicity	Category 2			

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS08

Signal word Warning

Hazard statements

H227	Combustible liquid
H361	Suspected of damaging the unborn child

Precautionary statements

P201	Obtain special instruction before use.					
P202	Do not	Do not handle until all safety precautions have been read and understood.				
P210	Keep away from open flames and hot surfaces. No smoking.					
P280	Wear pi	otective gloves, protective clothing, eye protection and face mask.				
P308+P313		If exposed or concerned: Get medical attention.				
P370+P378		In case of fire: Use extinguishing powder, alcohol-resistant foam or carbon dioxide to extinguish.				
P403+P405+	P235	Store in locked up well-ventilated place. Keep cool.				
P405		Store locked up.				
P501		Dispose of container to waste 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	
	Repr. Tox. 2: H361				
25265-71-8	Dipropylene glycol	Dipropylene glycol			40 - 60%
	246-770-3 Not applicable 01-2119456811-38-0000				
	Not applicable				
507-55-1	Fluorine Compound			0.1-1%	
	Not applicable	Not applicable	Not ap	plicable	



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	STOT RE 2: H373			
5593-70-4	0-4 Titanium tetrabutanolate			0.1-1%
	227-006-8	Not applicable	01-2119967423-33-0000	
	Flam. Liq 3: H226; Skin Irr. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335			
7782-42-5	7782-42-5 Graphene		0.1-1%	
	231-955-3	Not applicable	01-2119486977-12-0000	
	Not applicable	· · · ·		

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

After Inhalation

Keep the patient calm. If unconscious place in stable sideways position.

After skin contact

Remove contaminated or soaked clothing. Wash off immediately with soap and plenty of water.

In event of a visible skin change or other complaints, seek medical advice.

After contact with eyes

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

After ingestion

Wash out mouth with water provided the person is conscious. 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, material splits off 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, extinguishing powder, alcohol resistant foam, carbon dioxide, sand.

5.2 Unsuitable extinguishing media

Water spray, water jet.

5.3 Special hazards arising from the substance or mixture

No information available.

5.4 Advise for firefighters

Use respiratory protection independent of recirculated air.

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).

Keep unprotected persons away. Avoid contact with eyes and skin.

Avoid inhaling mists and vapours. If material is released, indicate risk of slipping.

6.2 Environmental precautions

Prevent material from entering surface water, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth).

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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 according to local regulations. Clean any slippery coating that remains using a detergent/soap solution. Exhaust vapour.

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).

Ensure adequate ventilation.

Keep away from incompatible substances in accordance with section 10.

Spilled substance increases risk of slipping.

Precautions against fire and explosion

Product can separate into methanol. Flammable vapours may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Make sure there is no possibility of entering the ground.

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.

Protect against: Moisture

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:

Avoid contact with eyes and skin. 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 and strong exposure, use respirator with an ABEK filter.

Protection of hands:

Use protective gloves made of 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.

Material of gloves:

IGL COATINGS™ EC	SHEET	ENZO TOP		🕜 igl coatings"
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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: Tight fitting protective goggles. **Skin protection:** Protective clothing.

9.	PHYSICAL AND CHEMICAL PROPERTIES
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Boiling Point	: 180-220 °C		
Density	: 0.988 g/cm ³ (at 25 °C)		
Flash Point	: >70 °C		
рН	: Not applicable		
Solubility in Water	: Virtually insoluble		
Appearance (colour)	: Transparent black		
Appearance (form)	: Liquid		
Odour	: Low Odour		

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 flames and other sources of ignition.
- **10.5 Incompatible materials**: Oxidising agent, acids, water.
- **10.6 Hazardous decomposition products**: When heated to temperatures above 150°C (300 F) in the presence of air, product can form formaldehyde vapours. Hazardous decomposition products will be formed upon contact with water or humid air.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects Exposure route Value Endpoint Species Source 5087 mg/kg ECHA Oral LD50 Rat Dermal LD50 2381 mg/kg Rat ECHA ECHA Inhalation LC50 5098 mg/L Rat

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

No data available.

12.2 Process of degradability

No data available.

12.3 Bioaccumulative potential

No data available.

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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 discharged containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or reused. Observe local/state/federal regulations.

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 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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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

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.