(in accordance with Regulation (EU) 2020/878)

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name:

Industrial Solutions Aegis Catalyst

1.2 Relevant identified uses of the substance or mixture and uses advised against. Catalyst.

Uses advised against:

For professional use only.

1.3 Details of the supplier of the safety data sheet.

Company:	IGL Coatings
Address:	No. 7, Jalan Majistret U1/26, Hicom-Glenmarie Industrial Park, Seksyen U1
City:	40150 - Shah Alam
Province:	Selangor
Telephone:	+0355690980
E-mail:	regulations@iglcoatings.com
Web:	https://iglcoatings.com/

1.4 Emergency telephone number: (Only available during office hours; Monday-Friday; 08:00-18:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

STOT SE 2 : May cause damage to organs.

2.2 Label elements.

Labelling in accordance with Regulation (EC) No 1272/2008: Pictograms:



Signal Word: Warning

Hazard statements:

H371 May cause damage to organs.

Precautionary statements:

-	ounderer and a beaute	
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P264	Wash hands thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor.
	P405	Store locked up.
	P501	Dispose of contents/container according to local, state and federal regulations.

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2.3 Other hazards.

The mixture does not contain substances classified as PBT. The mixture does not contain substances classified as vPvB. The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

			(*)Classification - Regulation (EC) No 1272/2008	
Identifiers	Name	Concentrate	Classification	Specifics concentration limits and Acute toxicity estimate
CAS No: Proprietary EC No: Proprietary Registration No: Proprietary	Proprietary	10 - 100 %	STOT SE 2, H371	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Do not induce vomiting. If the person vomits, clear the respiratory tract.

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SECTION 5: FIREFIGHTING MEASURES.

The product does not present any particular risk in case of fire.

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, diatomaceous earth) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 ° C, in a dry and wellventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

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7.3 Specific end use(s).

Catalyst.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values. Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Туре	Value
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	61,7 (μg/m³)
	DNEL (Workers)	Dermal, Chronic, Systemic effects	17,5 (µg/kg bw/day)
Proprietary CAS No: Proprietary	DNEL (Consumers)	Inhalation, Chronic, Systemic effects	10,9 (µg/m ³)
EC No: Proprietary	DNEL (Consumers)	Dermal, Chronic, Systemic effects	6,25 (μg/kg bw/day)
	DNEL (Consumers)	Oral, Chronic, Systemic effects	6,25 (μg/kg bw/day)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated. DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %		
Uses:	Catalyst.		
Breathing protect	Breathing protection:		
PPE:	Filter mask for protection against gases and particles.		
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.		
CEN standards:	EN 136, EN 140, EN 405		
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.		
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.		
Filter Type needed:	A2		
Hand protection:			
PPE:	Protective gloves against chemicals.		
Characteristics:	Characteristics: «CE» marking, category III.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride) Breakthrough time > 480 Material thickness 0,35 (mm):		

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Eye protection:	
PPE:	Protective goggles with built-in frame.
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.
CEN standards:	EN 165, EN 166, EN 167, EN 168
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.
Skin protection:	
PPE:	Protective clothing.
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.
CEN standards:	EN 340
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.
PPE:	Work footwear.
Characteristics:	«CE» marking, category II.
CEN standards:	EN ISO 13287, EN 20347
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid. Colour: Colourless to yellowish. Odour: Characteristic. Odour threshold: Not available. Melting point: < 80 °C Freezing point: Not available. Boiling point or initial boiling point and boiling range: 252 °C Flammability: Not available. Lower explosion limit: Not available. Upper explosion limit: Not available. Flash point: 125 °C Auto-ignition temperature: Not available. Decomposition temperature: Not available. pH: Not available. Kinematic viscosity: Not available. Solubility: Not soluble in water. Hydrosolubility: Not available. Liposolubility: Not available. Partition coefficient n-octanol/water (log value): Not available. Vapour pressure: 0.0002 Pa Absolute density: 1041 kg/m3 Relative density: Not available. Relative vapour density: Not available. Particle characteristics: Not available.

9.2 Other information

Not available.

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SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on hazard classes as defined in Regulation (EC) Nº 1272/2008.

There are no tested data available on the product.

a) acute toxicity; Not conclusive data for classification.

b) skin corrosion/irritation; Not conclusive data for classification.

c) serious eye damage/irritation; Not conclusive data for classification.

d) respiratory or skin sensitisation; Not conclusive data for classification.

e) germ cell mutagenicity; Not conclusive data for classification.

f) carcinogenicity; Not conclusive data for classification.

g) reproductive toxicity; Not conclusive data for classification.

h) STOT-single exposure;
 Product classified:
 Specific target organ toxicity following a single exposure, Category 2: May cause damage to organs.

i) STOT-repeated exposure; Not conclusive data for classification.

j) aspiration hazard; Not conclusive data for classification.

11.2 Information on other hazards. Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

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Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present. No information is available on the degradability of the substances present. No information is available about persistence and degradability of the product.

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12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation of the substances present.

12.4 Mobility in soil.

No information is available about the mobility in soil. The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number or ID number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description: ADR/RID: Not classified as hazardous for transport. IMDG: Not classified as hazardous for transport. ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

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14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous. Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments.

Not classified as hazardous for transport.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

Designation of the substance, of the	Conditions of restriction
group of substances or of the mixture	
 group of substances or of the mixture 3. Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1. 	 Shall not be used in: ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, tricks and jokes, games for one or more participants, or any article intended to be used as such, even with ornamental aspects, Articles not complying with paragraph 1 shall not be placed on the market. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:

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20. Organostannic compounds	1. Shall not be placed on the market, or used, as substances or in mixtures
	where the substance or mixture is acting as biocide in free association paint.
	2. Shall not be placed on the market, or used, as substances or in mixtures
	where the substance or mixture acts as biocide to prevent the fouling by
	micro-organisms, plants or animals of:
	(a) all craft irrespective of their length intended for use in marine, coastal,
	estuarine and inland waterways and lakes;
	(b) cages, floats, nets and any other appliances or equipment used for fish
	or shellfish farming;
	(c) any totally or partly submerged appliance or equipment.
	3. Shall not be placed on the market, or used, as substances or in mixtures
	where the substance or mixture is intended for use in the treatment of
	industrial waters.
	4. Tri-substituted organostannic compounds:
	(a) Tri-substituted organostannic compounds such as tributyltin (TBT)
	compounds and triphenyltin (TPT) compounds shall not be used after 1 July
	2010 in articles where the concentration in the article, or part thereof, is
	greater than the equivalent of 0,1 % by weight of tin.
	(b) Articles not complying with point (a) shall not be placed on the market
	after 1 July 2010, except for articles that were already in use in the
	Community before that date.
	5. Dibutyltin (DBT) compounds:
	(a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in
	mixtures and articles for supply to the general public where the
	concentration in the mixture or the article, or part thereof, is greater than
	the equivalent of 0,1 % by weight of tin.
	(b) Articles and mixtures not complying with point (a) shall not be placed on
	the market after 1 January 2012, except for articles that were already in use
	in the Community before that date.
	(c) By way of derogation, points (a) and (b) shall not apply until 1 January
	2015 to the following articles and mixtures for supply to the general public:
	- one-component and two-component room temperature vulcanisation
	sealants (RTV-1 and RTV-2 sealants) and adhesives,
	- paints and coatings containing DBT compounds as catalysts when applied
	on articles,
	- soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded
	with hard PVC,
	- fabrics coated with PVC containing DBT compounds as stabilisers when
	intended for outdoor applications,
	- outdoor rainwater pipes, gutters and fittings, as well as covering material
	for roofing and façades,
	(d) By way of derogation, points (a) and (b) shall not apply to materials and
	articles regulated under Regulation (EC) No 1935/2004.
	6. Dioctyltin (DOT) compound:
	(a) Dioctyltin (DOT) compounds shall not be used after 1 January 2012 in
	the following articles for supply to, or use by, the general public, where the
	concentration in the article, or part thereof, is greater than the equivalent of
	0,1 % by weight of tin:
	- textile articles intended to come into contact with the skin,
	- gloves,
	- footwear or part of footwear intended to come into contact with the skin,
	- wall and floor coverings,
	- childcare articles,
	- female hygiene products,
	- nappies,
	- two-component room temperature vulcanisation moulding kits (RTV-2
	moulding kits).
	(b) Articles not complying with point (a) shall not be placed on the market
	after 1 January 2012, except for articles that were already in use in the
	Community before that date.

Kind of pollutant to water (Germany): WGK 1: Slightly hazardous to water. (Autoclassified according to the AwSV Regulations)

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15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H371 May cause damage to organs.

Classification codes:

STOT SE 2 : Specific target organ toxicity following a single exposure, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:Physical hazardsOn basis of test dataHealth hazardsCalculation methodEnvironmental hazardsCalculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

AwSV: Facility Regulations for handling substances that are hazardous for the water.

- CEN: European Committee for Standardization.
- DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
- DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
- PPE: Personal protection equipment.
- WGK: Water hazard classes.

Key literature references and sources for data: http://eur-lex.europa.eu/homepage.html http://echa.europa.eu/ Regulation (EU) 2020/878. Regulation (EC) No 1907/2006. Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.