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

1.1 Product identifier.

Product Name: Ecocoat Premier
UFI: E6RU-M9JR-GTKS-VWVT

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

Hydro & oleophobizing and easy clean agent surface modifier and gloss enhancer.

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:

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

Eye Irrit. 2 : Causes serious eye irritation. Skin Irrit. 2 : Causes skin irritation.

Skin Sens. 1: May cause an allergic skin reaction.

2.2 Label elements.

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

Pictograms:





Signal Word:

Warning

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

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P391 Collect spillage.

P501 Dispose of contents/container according to local, state and federal regulations.

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: 7732-18-5 EC No: 231-791-2	water	75 - 100 %	-	-	
CAS No: Proprietary	Proprietary	2.5 - 10 %	-	-	
CAS No: 27306-79-2 EC No: 500-059-7	Tetradecan- I-ol, ethoxylated 0.1 - 2		Aquatic Acute 1, H400 - Aquatic Chronic 3, H412	-	
CAS No: 55965-84-9 EC No: 611-341-5 Index No: 613-167-00-5	reaction mass of 5-chloro-2-methyl- 2H-isothiazol-3-one and 2-methyl- 2H-isothiazol-3-one (3:1)	0.06 - 0.25 %	Acute Tox. 2, H310 - Acute Tox. 2, H330 - Acute Tox. 3, H301 - Aquatic Acute 1, H400 (M=100) - Aquatic Chronic 1, H410 (M=100) - Eye Dam. 1, H318 - Skin Corr. 1C, H314 - Skin Sens. 1A,	Skin Corr. 1C, H314: $C \ge 0,6 \%$ Skin Irrit. 2, H315: $0,06 \% \le C < 0,6 \%$ Eye Irrit. 2, H319: $0,06 \% \le C < 0,6 \%$ Skin Sens. 1A, H317: $C \ge 0,0015 \%$ Eye Dam. 1, H318: C $\ge 0,6 \%$	

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

SECTION 4: FIRST AID MEASURES.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

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.

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Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

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. Don't let the person to rub the affected eye.

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.

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.

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. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

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. Product residues and extinguishing media may contaminate the aquatic environment.

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 dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

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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 well-ventilated 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).

7.3 Specific end use(s).

Hydro & oleophobizing and easy clean agent surface modifier and gloss enhancer.

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.

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:	Hydro & oleophobizing and easy clean agent surface modifier and gloss enhancer.				
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. Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach				
Observations:	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:	Work gloves.				
Characteristics:	«CE» marking, category I.				
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420				

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Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Maintenance: Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Observations: Always use with clean, dry hands. Breakthrough time Material thickness Material: PVC (polyvinyl chloride) > 480 0,35 (min.): (mm): Eye protection: Face shield. «CE» marking, category II. Face and eye protector against splashing liquid. Characteristics: CEN standards: EN 165, EN 166, EN 167, EN 168 Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. Make sure that mobile parts move Maintenance: Face shields should offer a field of vision with a dimension in the central line of, at least, 150 mm Observations: vertically once attached to the frame. Skin protection: Protective clothing. PPE: «CE» marking, category II. Protective clothing should not be too tight or loose in Characteristics: order not to obstruct the user's movements. CEN standards: EN 340 In order to guarantee uniform protection, follow the washing and maintenance instructions provided by Maintenance: the manufacturer. The protective clothing should offer a level of comfort in line with the level of protection provided in Observations: 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 This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should Maintenance: not be used by other people. Work footwear for professional use includes protection elements aimed at protecting users against any Observations: injury resulting from an accident

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid. Colour: White. Odour: Odourless.

Odour threshold: Not available. Melting point: Not available. Freezing point: Not available.

Boiling point or initial boiling point and boiling range: 100 °C

Flammability: Not available. Lower explosion limit: Not available. Upper explosion limit: Not available.

Flash point: 100 °C

Auto-ignition temperature: Not available. Decomposition temperature: Not available.

pH: 6.5 - 7.5

, Kinematic viscosity: Not available. Solubility: Completely soluble. Hydrosolubility: Not available. Liposolubility: Not available.

Partition coefficient n-octanol/water (log value): Not available.

Vapour pressure: Not available. Absolute density: 1006 kg/m3 Relative density: Not available.

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Relative vapour density: Not available. Particle characteristics: Not available.

9.2 Other information

Not available.

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.

IRRITANT MIXTURE. Splashes in the eyes can cause irritation.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

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

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Toxicological information about the substances present in the composition.

Name	Acute toxicity				
Name	Туре	Test	Kind	Value	
		LD50	Rat	53 mg/kg bw [1]	
	Oral				
reaction mass of 5-chloro-2-methyl-2H-isothiazol-		[1] Mutation Research. Vol. 118, Pg. 129, 1983			
3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Dermal				
CAS No: 55965-84-9 EC No: 611-341-5	Inhalation				

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE): Mixtures: ATE (Dermal) = 50,001 mg/kg ATE (Oral) = 100,001 mg/kg

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b) skin corrosion/irritation;

Product classified:

Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;

Product classified:

Skin sensitiser, Category 1: May cause an allergic skin reaction.

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;

Not conclusive data for classification.

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.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
Name	Туре	Test	Kind	Value
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Fish	Database ((EEDB)). E Washingto [2] Office of Database (Formerly: Environmental Fate ar n, D.C of Pesticide Programs Formerly: Environmental Fate a	0,36 mg/l (96 h) [1] 0,19 mg/l (96 h) [2] s 2000. Pesticide Ecotoxicity ental Effects Database and Effects Division, U.S.EPA, 2000. Pesticide Ecotoxicity ental Effects Database and Effects Division, U.S.EPA,
	Aquatic invertebrates	LC50 EC50 EC50	Crustacean Crustacean Crustacean	0,56 mg/l (48 h) [1] 1,07 mg/l (48 h) [2] 0,18 mg/l (48 h) [3]

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			Database (F (EEDB)). Er Washington [2] Office of Database (F (EEDB)). Er Washington [3] Office of Database (F	Formerly: En nvironmental n, D.C f Pesticide Pr Formerly: Er nvironmenta n, D.C f Pesticide Pr Formerly: Er nvironmenta	rograms 2000. Pesticide Ecotoxicity vironmental Effects Database Fate and Effects Division, U.S.EPA, rograms 2000. Pesticide Ecotoxicity nvironmental Effects Database Il Fate and Effects Division, U.S.EPA, rograms 2000. Pesticide Ecotoxicity nvironmental Effects Database Il Fate and Effects Division, U.S.EPA,
			EC50 EC50	Algae Algae	0,06 mg/l (96 h) [1] 0,13 mg/l (72 h) [2]
CAS No: 55965-84-9	EC No: 611-341-5	Aquatic plants	Database (F (EEDB)). En Washington [2] Office of Database (F	Formerly: Environmental I,D.C If Pesticide Promerly: Environmental	rograms 2000. Pesticide Ecotoxicity nvironmental EffectsDatabase Fate and Effects Division, U.S.EPA, rograms 2000. Pesticide Ecotoxicity vironmental Effects Database Fate and Effects Division, U.S.EPA,

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.

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.

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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.

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	
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: can be used as fuel in decorative oil lamps for supply to the general public, and, present an aspiration hazard and are labelled with H304, Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).

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Kind of pollutant to water (Germany): WGK 3: Very hazardous to water. (Autoclassified according to the AwSV Regulations)

15.2 Chemical safety assessment.

The supplier has carried out a Chemical Safety Assessment for the substance/mixture.

SECTION 16: OTHER INFORMATION.

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

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 2 : Acute toxicity (Dermal), Category 2 Acute Tox. 2 : Acute toxicity (Inhalation), Category 2 Acute Tox. 3 : Acute toxicity (Oral), Category 3

Aquatic Acute 1: Acute toxicity to the aquatic environment, Category 1 Aquatic Chronic 1: Chronic effect to the aquatic environment, Category 1 Aquatic Chronic 2: Chronic effect to the aquatic environment, Category 2 Aquatic Chronic 3: Chronic effect to the aquatic environment, Category 3

Eye Dam. 1 : Serious eye damage, Category 1 Eye Irrit. 2 : Eye irritation, Category 2 Skin Corr. 1C : Skin Corrosive, Category 1C Skin Irrit. 2 : Skin irritant, Category 2 Skin Sens. 1 : Skin sensitiser, Category 1 Skin Sens. 1A : Skin sensitiser, Category 1A

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data
Health hazards Calculation method
Environmental hazards Calculation method

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

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Abbreviations and acronyms used:

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

CEN: European Committee for Standardization.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%. 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.