SAFETY DATA SHEET
(in accordance with Regulation (EU) 2020/878)

VENTURA TOP 2.0 CATALYST

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

1.1 Product identifier.

Product Name: VENTURA TOP 2.0 CATALYST

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

For dental use
Moulding of diverse objects

Uses advised against:
Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **MADESPA, S.A.**
Address: Calle Río Torviscal, 8
City: 45007 - Toledo
Province: Toledo
Telephone: 925 241 025
E-mail: calidad@madespa.com
Web: www.madespa.com

1.4 Emergency telephone number: 925 241 025 (Only available during office hours; Monday-Friday; 07:00-15:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.
In accordance with Regulation (EC) No 1272/2008:
Repr. 2 : Suspected of damaging fertility or the unborn child.
Skin Irrit. 2 : Causes skin irritation.
STOT RE 1 : Causes damage to organs through prolonged or repeated exposure.

2.2 Label elements.
Labelling in accordance with Regulation (EC) No 1272/2008:
Signal Word:
Danger
Hazard statements:

H315	Causes skin irritation.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/…
P302+P352	IF ON SKIN: Wash with plenty of water/...
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see ... on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to …

EUH statements:

EUH208	Contains carvone (ISO); 2-methyl-5-(prop-1-en-2-yl)cyclohex-2-en-1-one. May produce an allergic reaction.

Contains:
dioctyltin oxide

2.3 Other hazards.

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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:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
CAS No: 1067-25-0 EC No: 213-926-7 Registration No: 01-2119972314-37-XXXX	trimethoxypropylsilane	10 - 25 %	Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-
CAS No: 870-08-6 EC No: 212-791-1	dioctyltin oxide	10 - 25 %	Aquatic Chronic 4, H413 - Repr. 2, H361 - STOT RE 1, H372	-
Index No: 014-005-00-0 CAS No: 78-10-4 EC No: 201-083-8 Registration No: 01-2119496195-28-XXXX	[1] tetraethyl silicate, ethyl silicate	1 - 10 %	Acute Tox. 4 *, H332 - Eye Irrit. 2, H319 - Flam. Liq. 3, H226 - STOT SE 3, H335	-
Index No: 606-148-00-8 CAS No: 99-49-0 EC No: 202-759-5	carvone (ISO), 2-methyl-5-(prop-1-en-2-yl)cyclohex-2-en-1-one	0.1 - 1 %	Skin Sens. 1, H317	-
Index No: 603-001-00-X CAS No: 67-56-1 EC No: 200-659-6 Registration No: 01-2119433307-44-XXXX	[1] methanol	0.1 - 3 %	Acute Tox. 3 *, H311 - Acute Tox. 3 *, H331 - Acute Tox. 3 *, H301 - Flam. Liq. 2, H225 - STOT SE 1, H370 **	STOT SE 1, H370: C ≥ 10 % STOT SE 2, H371: 3 % ≤ C < 10 %

(*) *The complete text of the H phrases is given in section 16 of this Safety Data Sheet.*
*,** *See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.*
[1] Substance with a European Union exposure limit in the workplace (see section 8.1).
[2] Substance with a national workplace exposure limit (see section 8.1).

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.
Delayed effects may occur after the exposure to the product.

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

Eye contact.

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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.
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.
Long-term chronic exposure may result in injury to certain organs or tissues.

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. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

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, Kieselguhr...) 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.

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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 º 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).
Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m³
tetraethyl silicate, ethyl silicate	78-10-4	European Union [1]	**Eight hours**	5	44
			Short term		
methanol	67-56-1	European Union [1]	**Eight hours**	200 (skin)	260 (skin)
			Short term		

[1] According both Binding Occupational Esposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).
The product does NOT contain substances with Biological Limit Values.
Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
tetraethyl silicate, ethyl silicate CAS No: 78-10-4 EC No: 201-083-8	DNEL (Workers)	Inhalation, Chronic, Local effects	85 (mg/m³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	85 (mg/m³)
methanol CAS No: 67-56-1 EC No: 200-659-6	DNEL (Workers)	Inhalation, Chronic, Local effects	260 (mg/m³)
	DNEL (Consumers)	Inhalation, Chronic, Local effects	50 (mg/m³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	260 (mg/m³)
	DNEL (Consumers)	Inhalation, Chronic, Systemic effects	50 (mg/m³)
	DNEL (Workers)	Dermal, Chronic, Systemic effects	40 (mg/kg bw/day)
	DNEL (Consumers)	Dermal, Chronic, Systemic effects	8 (mg/kg bw/day)
	DNEL (Workers)	Dermal, Short term, Systemic effects	40 (mg/kg bw/day)
	DNEL (Consumers)	Dermal, Short term, Systemic effects	8 (mg/kg bw/day)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

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DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
Concentration levels PNEC:

Name	Details	Value
methanol CAS No: 67-56-1 EC No: 200-659-6	aqua (freshwater)	20,8 (mg/L)
	aqua (marine water)	2,08 (mg/L)
	aqua (intermittent releases)	1540 (mg/L)
	STP	100 (mg/L)
	sediment (freshwater)	77 (mg/kg sediment dw)
	sediment (marine water)	7,7 (mg/kg sediment dw)
	soil	3,18 (mg/kg soil dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

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:	**For dental use** **Moulding of diverse objects**			
Breathing protection:				
PPE:	Particle filter mask			
Characteristics:	«CE» marking, category III. Made of filtering material, it covers nose, mouth and chin.			
CEN standards:	EN 149			
Maintenance:	Check for any tears, defects, etc. before use. Since it is disposable individual protection equipment, it should be replaced after use.			
Observations:	Does not protect worker unless properly adjusted. Follow the manufacturer's instructions regarding suitable use of the equipment.			
Filter Type needed:	P2			
Hand protection:				
PPE:	Non-disposable protective gloves against chemicals.			
Characteristics:	«CE» marking, category III. Check the list of chemicals for which the glove has been tested.			
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420			
Maintenance:	A schedule for the periodical replacement of gloves should be established in order to guarantee their replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous than not using gloves, since the pollutant can gradually accumulate in the glove's material.			
Observations:	They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could reduce their strength.			
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480	Material thickness (mm): 0,35
Eye protection:				
PPE:	Protective goggles against particle impacts.			
Characteristics:	«CE» marking, category II. Eye protector against dust and smoke.			
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:	Chemical protective clothing			
Characteristics:	«CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which indicates how long it takes for the chemical to pass through the material.			
CEN standards:	EN 464,EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034			

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Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.
Observations:	The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.
PPE:	Anti-static safety footwear against chemicals.
Characteristics:	«CE» marking, category III. Check the list of chemicals against which the footwear is resistant.
CEN standards:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345
Maintenance:	For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.
Observations:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.
Physical state: Solid
Colour: Red
Odour: Mint
Odour threshold: Not applicable/Not available due to the nature/properties of the product
Melting point: Not applicable/Not available due to the nature/properties of the product
Freezing point: Not applicable/Not available due to the nature/properties of the product
Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the nature/properties of the product
Flammability: Not applicable/Not available due to the nature/properties of the product
Lower explosion limit: Not applicable/Not available due to the nature/properties of the product
Upper explosion limit: Not applicable/Not available due to the nature/properties of the product
Flash point: 63,9 ºC
Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product
Decomposition temperature: Not applicable/Not available due to the nature/properties of the product
pH: Not applicable/Not available due to the nature/properties of the product
Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product
Solubility: Not applicable/Not available due to the nature/properties of the product
Hydrosolubility: Insoluble in water
Liposolubility: Not applicable/Not available due to the nature/properties of the product
Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product
Vapour pressure: Not applicable/Not available due to the nature/properties of the product
Absolute density: Not applicable/Not available due to the nature/properties of the product
Relative density: 0,94
Relative vapour density: Not applicable/Not available due to the nature/properties of the product
Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information
Other safety characteristics
Viscosity: 25 kPa*s

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.
There are no particular risks of reaction with other substances in normal conditions of use.

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

10.3 Possibility of hazardous reactions.
The vapours may also form explosive mixtures with the air.

10.4 Conditions to avoid.
Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition. Avoid moisture.

10.5 Incompatible materials.

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Avoid strong oxidants.

10.6 Hazardous decomposition products.
In the event of thermal decomposition or fire, silica, carbon dioxide, traces of incompletely burned carbon compounds, formaldehyde may be released.
Reacts with water, releasing alcohols.

SECTION 11: TOXICOLOGICAL INFORMATION.

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			
	Type	Test	Kind	Value
tetraethyl silicate, ethyl silicate CAS No: 78-10-4 EC No: 201-083-8	Oral	LD 50	Rat	>2500 mg/kg
	Dermal			
	Inhalation	LC50	Rat	>10 mg/l (4 h)
methanol CAS No: 67-56-1 EC No: 200-659-6	Oral	LD50	Rat	5630 mg/kg bw [1] [1] Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. Vol. 19(11), Pg. 27, 1975
	Dermal	LD50	Rabbit	15800 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 74, 1974
	Inhalation	LC50	Rat	83.9 mg/l (4 h) [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 74, 1974

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the
criteria specified in the applicable regulation for classification.It is therefore necessary to take into account the concentration of the individual hazardous
substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.
This product contains sensitizing substance/s and may cause allergic reactions.

TRIMETHOXYPROPYLSILANE
LD50 (Oral).> 5170 mg/kg (OECD 401, rat, dossier ECHA).
LC50 (Inhalation).22,2 mg/l/4h (OECD 403, rat, dossier ECHA).
Acute toxicity:
Dermal: No data available.
Irritation/Corrosion
Skin irritation: Irritating (OECD 404, in vivo, rabbit, MSDS supplier).
Eye irritation: Not irritating (OECD 405, in vivo, rabbit, MSDS supplier).
Respiratory or skin Sensitization: Not sensitising (OECD 406, Buehler Test, MSDS supplier).
STOT – Repeated exposure: Negative (MSDS supplier).
CMR effects: Negative (MSDS supplier).
Aspiration toxicity: Not toxic (MSDS supplier).

DIOCTYLTIN OXIDE
LD50 (Oral).> 2500 mg/kg (rat, MSDS supplier)
Acute toxicity:
Inhalation: No data available.
Dermal: No data available.

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Irritation/Corrosion
Skin irritation: Not irritating (SDS supplier).
Eye irritation: Not irritating (SDS supplier).
Respiratory or skin Sensitization: Not sensitising (SDS supplier).
Single/Repeated dose toxicity: May cause damage to immune system by ingestion (single exposure) (SDS supplier).
Genotoxicity: No data available.
Carcinogenicity: No data available.
Toxicity to reproduction: No data available.
Aspiration toxicity: No data available.

ETHYL SILICATE
LD50 (Oral).> 2500 mg/kg (OECD TG 423, rat, MSDS supplier).
LC50 (Inhalation).16 mg/l/4h (OECD 403, rat, 4h, MSDS supplier).
Acute toxicity:
Dermal: no data available.
Irritation/ Corrosion
Skin irritation: not irritant (OECD 404, rabbit, SDS supplier).
Eye irritation: not irritant (OECD 405, rabbit, SDS supplier).
Skin/respiratory sensitization: Not sensitizing (OECD 406, Buehler Test, SDS supplier).
STOT - Single exposure: Toxic for single exposure with irritation of the respiratory tract (MSDS supplier).
STOT - Repaeated exposure: Not toxic. NOAEL: 10 mg/kg (OECD TG 422, oral, rat, 28 d, MSDS supplier).
STOT - Repaeated exposure: Not toxic. LOAEL: 0,43 mg/l (OECD TG 412, mouse, rat, 28 d, MSDS supplier).
Genotoxicity: Negative (SDS supplier).
Cancerogenicity: Negative (SDS supplier).
Toxicity for reproduction: No evidence from tests on animals (SDS supplier).
Aspiration toxicity: Not toxic (SDS supplier).

CARVONE (ISO)
LD50 (Oral) 1640 mg/kgl (rat, SDS supplier).
Acute toxicity
Inhalation: No data available.
Dermal: No data available.
Corrosion/Irritation
Skin irritation: No data available.
Eye irritation: No data available.
Skin Sensitization: No data available.
STOT – single/ repeated exposure: No data available.
Genotoxicity: No data available.
Carcinogenicity: No data available.
Toxicity to reproduction: No data available.
Aspiration toxicity: No data available.

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			
	Type	Test	Kind	Value
methanol	Fish	LC50	Trachinotus carolinus	10112 mg/L (24 h) [1]
		[1] Baltz, D. M. et al., Transactions of the American Fisheries Society 134: 730-740, 2005		
	Aquatic	EC50	Daphnia magna	20803 mg/L (24 h) [1]

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	invertebrates	[1] Environmental Toxicology and Chemistry 14(12): 2085-2088, 1995
CAS No: 67-56-1 EC No: 200-659-6	Aquatic plants	EC50 Selenastrum capricornutumc 22000 mg/L (96 h) [1] [1] Ecotoxicology and Environmental Safety 71: 166-1711, 2008

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.
Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
tetraethyl silicate, ethyl silicate CAS No: 78-10-4 EC No: 201-083-8	-	3,16	-	Very low
methanol CAS No: 67-56-1 EC No: 200-659-6	-0,74	-	-	Very low

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.

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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.

Substances including by Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

Name	
dioctyltin oxide CAS No: 870-08-6 EC No: 212-791-1	
Annex I Part 1 - Subcategory	**Limitation**
Industrial chemical for public use	Severe restriction

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:

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

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H361	Suspected of damaging fertility or the unborn child.
H370	Causes damage to organs.
H371	May cause damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.

Classification codes:

Acute Tox. 3 : Acute toxicity (Dermal), Category 3
Acute Tox. 3 : Acute toxicity (Inhalation), Category 3
Acute Tox. 3 : Acute toxicity (Oral), Category 3
Acute Tox. 4 : Acute toxicity (Inhalation), Category 4
Aquatic Chronic 4 : Chronic effect to the aquatic environment, Category 4
Eye Irrit. 2 : Eye irritation, Category 2
Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Repr. 2 : Reproductive toxicant, Category 2
STOT RE 1 : Specific target organ toxicity following a repeated exposure, Category 1
STOT SE 1 : Specific target organ toxicity following a single exposure, Category 1
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3
Skin Irrit. 2 : Skin irritant, Category 2
Skin Sens. 1 : Skin sensitiser, Category 1

Changes regarding to the previous version:

- Changes in the information of the supplier (SECTION 1.3).
- Modification of specific hazards (SECTION 2.3).
- Changes in the composition of the product (SECTION 3.2).
- Modification in the firefighting measures (SECTION 5.2).
- Modifications in the accidental release measures (SECTION 6.1).
- Modification of exposure data (SECTION 8.1).
- Modification in the values of the physical and chemical properties (SECTION 9).
- Modification of toxicity values (SECTION 11.1).
- Change in the hazard classification (SECTION 11.1).
- Modification of ecological information values (SECTION 12.1).
- Modification of ecological information values (SECTION 12.3).
- Modification of the classification ADR/IMDG/ICAO/IATA/RID (SECTION 14).
- Elimination of abbreviations and acronyms (SECTION 16).

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.

Abbreviations and acronyms used:

BCF:	Bioconcentration factor.
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.
EC50:	Half maximal effective concentration.
PPE:	Personal protection equipment.
LC50:	Lethal concentration, 50%.
LD50:	Lethal dose, 50%.
NOEC:	No observed effect concentration.
PNEC:	Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Key literature references and sources for data:

-Continued on next page.-

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.

-End of safety data sheet.-