

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: P10889
Product name: RESINFIP COAT AC 351
UFI : 0CX0-10KS-600R-WY19

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

Intended use: Filmogen protective system, rigid, single -component, based on acrylic resin in sharp emulsion, for the protection of C.A. not in permanent contact with water

1.3. Details of the supplier of the safety data sheet

Name: Licata S.p.A.
Full address: Via dei Mille 32
District and Country: 00185 Roma (RM)
Tel.: +39 0922 856088
Fax: +39 0922 831427
e-mail address of the competent person responsible for the Safety Data Sheet: controllo-qualita@licataspa.it

1.4. Emergency telephone number

For urgent inquiries refer to:
NHS111in England: 111
NHS24in Scotland: 111
NHS Direct in Wales: 111 or 0845 4647
In an emergency, if the patient has collapsed or is not breathing properly, call 999

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Warning

Hazard statements:

SECTION 3. Composition/information on ingredients ... / >>

REACH Reg. 01-2120764691-48

4,5-dicloro-2-ottil-2H-isotiazol-3-one

INDEX 613-335-00-8 0 < x < 0,0015

EC 264-843-8

CAS 64359-81-5

OCTAMETHYLCYCLOTETRASIOXANE

INDEX 014-018-00-1 0 < x < 0,003

EC 209-136-7

CAS 556-67-2

Acute Tox. 2 H330, Acute Tox. 4 H302, Skin Corr. 1 H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071**Skin Irrit. 2 H315: ≥ 0,025%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Irrit. 2 H319: ≥ 0,025%****LD50 Oral: 567 mg/kg, LC50 Inhalation mists/powders: 0,16 mg/l/4h****Repr. 2 H361f, Aquatic Chronic 1 H410 M=10**

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures**4.1. Description of first aid measures**

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If skin irritation or rash occurs: Get medical advice / attention.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures**5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

<div>Licata S.p.A.</div> <div>P10889 - RESINFIP COAT AC 351</div>		<div>Revision nr.6 Dated 11/09/2025 Printed on 11/09/2025 Page n. 4 / 16 Replaced revision:5 (Dated 11/09/2025)</div> <div>EN</div>
<p>Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.</p> <p>SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS</p> <p>Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).</p>		
SECTION 6. Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
<p>Block the leakage if there is no hazard.</p> <p>Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.</p>		
6.2. Environmental precautions		
<p>The product must not penetrate into the sewer system or come into contact with surface water or ground water.</p>		
6.3. Methods and material for containment and cleaning up		
<p>Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.</p> <p>Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.</p>		
6.4. Reference to other sections		
<p>Any information on personal protection and disposal is given in sections 8 and 13.</p>		
SECTION 7. Handling and storage		
7.1. Precautions for safe handling		
<p>Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.</p>		
7.2. Conditions for safe storage, including any incompatibilities		
<p>Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.</p>		
7.3. Specific end use(s)		
<p>Information not available</p>		
SECTION 8. Exposure controls/personal protection		
8.1. Control parameters		
Regulatory references:		
DEU	Deutschland	WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe
ESP	España	Límites de exposición profesional para agentes químicos en España 2024
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021
HRV	Hrvatska	PRAVILNIK O IZMJENAMA I DOPUNAMA PRAVILNIKA O ZAŠTITI RADNIKA OD IZLOŽENOSTI OPASNIM KEMIČALIJAMA NA RADU, GRANIČNIM VRIJEDNOSTIMA IZLOŽENOSTI I BIOLOŠKIM GRANIČNIM VRIJEDNOSTIMA
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti rakotvornim, mutagenim ali reprotoksičnim snovem pri delu. Ljubljana, četrtek 4. 4. 2024
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU)
		<div>EPY 11.9.0 - SDS 1004.14</div>

P10889 - RESINFIP COAT AC 351

SECTION 8. Exposure controls/personal protection ... / >>

2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.

ETHANEDIOL

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	26	10	52	20	SKIN
MAK	DEU	26	10	52	20	SKIN
VLA	ESP	52	20	104	40	SKIN
VLEP	FRA	52	20	104	40	SKIN
GVI/KGVI	HRV	52	20	104	40	SKIN
VLEP	ITA	52	20	104	40	SKIN
MV	SVN	52	20	104	40	SKIN
WEL	GBR	52	20	104	40	SKIN
OEL	EU	52	20	104	40	SKIN

1,2-Benzoisothiazol-3(2H)-one

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00403	mg/l
Normal value in marine water	0,00040	mg/l
	3	
Normal value for fresh water sediment	0,0499	mg/kg/d
Normal value for marine water sediment	0,00499	mg/kg/d
Normal value for marine water, intermittent release	0,0011	mg/l
Normal value of STP microorganisms	1,03	mg/l
Normal value for the terrestrial compartment	3	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Chronic		Effects on workers			
	Acute	Acute systemic	local	systemic	Acute	Acute systemic	Chronic local	Chronic systemic
Inhalation				1,2 mg/m3				6,81 mg/m3
Skin				0,345 mg/kg bw/d				0,966 mg/kg bw/d

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	0,05		0,1		INHAL
AGW	DEU	0,05		0,1		SKIN
MAK	DEU	0,05		0,1		INHAL
MAK	DEU	0,05		0,1		SKIN
MV	SVN	0,05		0,1		INHAL
MV	SVN	0,05		0,1		SKIN

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0022	mg/l
Normal value in marine water	0,22	mg/l
Normal value for fresh water sediment	0,0475	mg/kg/d
Normal value for marine water sediment	0,00475	mg/kg/d
Normal value for water, intermittent release	0,00122	mg/l
Normal value for fresh water, intermittent release	0,122	mg/l
Normal value for the terrestrial compartment	0,0082	mg/kg/d

P10889 - RESINFIP COAT AC 351**SECTION 8. Exposure controls/personal protection ... / >>****QUARTZ****Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP		0,05			RESP
VLEP	FRA	0,1				RESP
GVI/KGVI	HRV	0,1				
VLEP	ITA	0,1				RESP
MV	SVN	0,05				RESP
OEL	EU	0,1				RESP

OCTAMETHYLCYCLOTETRASILOXANE**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
OEL	EU		10			

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0015	mg/l
Normal value in marine water	0,15	mg/l
Normal value for fresh water sediment	3	mg/kg
Normal value for marine water sediment	0,3	mg/kg
Normal value of STP microorganisms	10	mg/l
Normal value for the food chain (secondary poisoning)	41	mg/kg
Normal value for the terrestrial compartment	0,84	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Chronic	Chronic	Effects on workers			
	Acute	Acute			Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral				3,7				
				mg/kg bw/d				
Inhalation			13	13			73	73
			mg/m3	mg/m3			mg/m3	mg/m3

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE

(3:1)

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
MAK	DEU	0,2		0,4		INHAL

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00339	mg/l
Normal value for fresh water sediment	0,027	mg/kg
Normal value for marine water sediment	0,027	mg/kg
Normal value of STP microorganisms	0,23	mg/l
Normal value for the terrestrial compartment	0,01	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Chronic	Chronic	Effects on workers			
	Acute	Acute			Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation						0,04		0,02
						mg/m3		mg/m3

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability

P10889 - RESINFIP COAT AC 351

SECTION 8. Exposure controls/personal protection ... / >>

time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	dense liquid	
Colour	not available	
Odour	not available	
Melting point / freezing point	not available	
Initial boiling point	> 100 °C	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not applicable	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	8	
Kinematic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	not available	
Relative vapour density	not available	
Particle characteristics	not applicable	

Supplementary information for nanoforms

MINEMA 1-2-44

Shape 1:

D50

10

µm

Crystallinity

Crystalline structure 1:

Surface functionalisation / treatment

Surface treatments 1:

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

SECTION 9. Physical and chemical properties ... / >>

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU)

0,87 %

SECTION 10. Stability and reactivity**10.1. Reactivity**

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

ETHANEDIOL

In the air absorbs moisture. Decomposes at temperatures above 200°C/392°F.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

QUARTZ

Stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

ETHANEDIOL

Risk of explosion on contact with: perchloric acid. May react dangerously with: chlorosulphuric acid, sodium hydroxide, sulphuric acid, phosphorus pentasulphide, chromium (III) oxide, chromyl chloride, potassium perchlorate, potassium dichromate, sodium peroxide, aluminium. Forms explosive mixtures with: air.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

ETHANEDIOL

Avoid exposure to: sources of heat, naked flames.

QUARTZ

Decomposes if exposed to: sources of heat.

10.5. Incompatible materials

QUARTZ

Incompatible with: Oxidants.

10.6. Hazardous decomposition products

ETHANEDIOL

May develop: hydroxyacetaldehyde, glyoxal, acetaldehyde, methane, carbon monoxide, hydrogen.

SECTION 11. Toxicological information

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.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

ETHANEDIOL

WORKERS: inhalation; contact with the skin.

POPULATION: inhalation of ambient air; contact with the skin of products containing the substance.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

ETHANEDIOL

Ingestion initially stimulates the central nervous system; later replaced by a phase of depression. There may be kidney damage, with anuria and uremia. Over-exposure symptoms are: vomiting, drowsiness, difficulty in breathing, convulsions. The lethal dose for humans is approx. 1.4 ml/kg.

Interactive effects

P10889 - RESINFIP COAT AC 351**SECTION 11. Toxicological information ... / >>**

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: Not classified (no significant component)
 ATE (Oral) of the mixture: Not classified (no significant component)
 ATE (Dermal) of the mixture: Not classified (no significant component)

MINEMA 1-2-44

LD50 (Dermal): > 2000 mg/kg Ratto
 LD50 (Oral): > 2000 mg/kg Ratto
 LC50 (Inhalation mists/powders): > 3 mg/l/4h Ratto

TALC

LD50 (Dermal): 2000 mg/kg Rat
 LD50 (Oral): 5000 mg/kg Rat
 LC50 (Inhalation mists/powders): 2,1 mg/l Rat

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LD50 (Oral): 2000 mg/kg Ratto
 LC50 (Inhalation mists/powders): 3,69 mg/l/4h Ratto

TITANIUM DIOXIDE

LD50 (Dermal): > 2000 mg/kg Coniglio
 LD50 (Oral): > 5000 mg/kg Ratto
 LC50 (Inhalation mists/powders): > 6,82 mg/l/4h Ratto

Reaction mass of bis(2-methylpropyl) pentanedioate and bis(2-methylpropyl) butanedioate and bis(2-methylpropyl) hexanedioate

LD50 (Dermal): 2000 mg/kg Rat
 LD50 (Oral): 2000 mg/kg Rat
 LC50 (Inhalation vapours): 11 mg/l/4h Rat

ETHANEDIOL

LD50 (Dermal): 9530 mg/kg Rabbit
 LD50 (Oral): > 2000 mg/kg Rat

1,2-Benzisothiazol-3(2H)-one

LD50 (Dermal): 2000 mg/kg Ratto
 LD50 (Oral): 490 mg/kg Ratto

Terbutryn

LD50 (Dermal): > 2000 mg/kg Coniglio
 LD50 (Oral): 2045 mg/kg Ratto
 LC50 (Inhalation mists/powders): > 2,2 mg/l/4h Ratto

2-OCTYL-2H-ISOTHIAZOL-3-ONE

LD50 (Dermal): 311 mg/kg
 LD50 (Oral): 125 mg/kg Rat
 LC50 (Inhalation mists/powders): 270 mg/l/4h Rat

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

LD50 (Dermal): 87,12 mg/kg Rabbit
 LD50 (Oral): 64 mg/kg Rat
 LC50 (Inhalation mists/powders): 0,33 mg/l/4h Rat

4,5-dicloro-2-ottil-2H-isotiazol-3-one

LD50 (Oral): 567 mg/kg
 LC50 (Inhalation mists/powders): 0,16 mg/l/4h

OCTAMETHYLCYCLOTETRASILOXANE

LD50 (Dermal): 2375 mg/kg Rat
 LD50 (Oral): 4800 mg/kg Rat
 LC50 (Inhalation vapours): 36 mg/l Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SECTION 11. Toxicological information ... / >>SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TALC

Overall IARC evaluation: Perineal use of talc-based body powder is possibly carcinogenic to humans (Group2B). Inhaled talc not containing asbestos or asbestiform fibres is not classifiable as to its carcinogenicity (Group 3).

ETHANEDIOL

Available studies have shown no carcinogenic potential. In a carcinogenicity study lasting two years, carried out by the US National Toxicology Program (NTP), in which ethylene glycol was administered in the feed, "no evidence of carcinogenic activity" in male and female B6C3F1 mice was observed (NTP, 1993).

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it has negative effects on the aquatic environment.

12.1. ToxicityMINEMA 1-2-44

LC50 - for Fish	> 100 mg/l/96h
Chronic NOEC for Algae / Aquatic Plants	> 14 mg/l

TALC

LC50 - for Fish	99790,5 mg/l/96h
EC50 - for Crustacea	36812 mg/l/48h
EC50 - for Algae / Aquatic Plants	7203 mg/l/72h
EC10 for Algae / Aquatic Plants	918,089 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	918,089 mg/l

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LC50 - for Fish	100 mg/l/96h
EC50 - for Crustacea	485 mg/l/48h
EC50 - for Algae / Aquatic Plants	100 mg/l/72h
Chronic NOEC for Fish	100 mg/l

P10889 - RESINFIP COAT AC 351**SECTION 12. Ecological information ... / >>**

Chronic NOEC for Algae / Aquatic Plants 32 mg/l

TITANIUM DIOXIDE

LC50 - for Fish > 1000 mg/l/96h
 EC50 - for Algae / Aquatic Plants > 100 mg/l/72h
 EC10 for Algae / Aquatic Plants 2 mg/l/72h
 Chronic NOEC for Algae / Aquatic Plants 100 mg/l

Reaction mass of bis(2-methylpropyl) pentanedioate and bis(2-methylpropyl) butanedioate and bis(2-methylpropyl) hexanedioate

LC50 - for Fish 1,6 mg/l/96h
 EC50 - for Crustacea 25 mg/l/48h
 EC50 - for Algae / Aquatic Plants 7,9 mg/l/72h
 EC10 for Algae / Aquatic Plants 0,32 mg/l/72h
 Chronic NOEC for Fish 1,6 mg/l
 Chronic NOEC for Crustacea 10 mg/l
 Chronic NOEC for Algae / Aquatic Plants 0,32 mg/l

1,2-Benzoisothiazol-3(2H)-one

LC50 - for Fish 12,075 mg/l/96h
 EC50 - for Crustacea 2,92 mg/l/48h
 EC50 - for Algae / Aquatic Plants 0,11 mg/l/72h
 EC10 for Algae / Aquatic Plants 0,0403 mg/l/72h
 Chronic NOEC for Algae / Aquatic Plants 0,0403 mg/l

Terbutryn

LC50 - for Fish 1,9 mg/l/96h Oncorhynchus mykiss
 EC50 - for Crustacea 6,4 mg/l/48h Daphnia magna
 EC50 - for Algae / Aquatic Plants 0,0067 mg/l/72h Desmodesmus subspicatus
 Chronic NOEC for Fish 0,073 mg/l pimephales promelas
 Chronic NOEC for Crustacea 0,05 mg/l Daphnia magna
 Chronic NOEC for Algae / Aquatic Plants 0,0005 mg/l Desmodesmus subspicatus

2-OCTYL-2H-ISOTHIAZOL-3-ONE

LC50 - for Fish 0,122 mg/l/96h
 EC50 - for Crustacea 0,181 mg/l/48h
 EC50 - for Algae / Aquatic Plants 0,15 mg/l/72h
 EC10 for Algae / Aquatic Plants 0,068 mg/l/72h
 Chronic NOEC for Algae / Aquatic Plants 0,068 mg/l

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

LC50 - for Fish 0,19 mg/l/96h
 EC50 - for Crustacea 0,16 mg/l/48h
 EC50 - for Algae / Aquatic Plants 0,037 mg/l/72h
 Chronic NOEC for Fish 0,0464 mg/l
 Chronic NOEC for Crustacea 0,1 mg/l
 Chronic NOEC for Algae / Aquatic Plants 0,0012 mg/l

4,5-dicloro-2-ottil-2H-isotiazol-3-one

LC50 - for Fish 0,0078 mg/l/96h Oncorhynchus mykiss
 EC50 - for Crustacea 0,0097 mg/l/48h Daphnia magna
 EC50 - for Algae / Aquatic Plants 0,025 mg/l/72h Desmodesmus subspicatus
 Chronic NOEC for Fish 0,00047 mg/l Brachydanio rerio
 Chronic NOEC for Crustacea 0,0004 mg/l Daphnia magna
 Chronic NOEC for Algae / Aquatic Plants 0,015 mg/l Desmodesmus subspicatus

OCTAMETHYLCYCLOTETRASILOXANE

LC50 - for Fish 0,022 mg/l/96h
 EC50 - for Crustacea 0,015 mg/l/48h
 Chronic NOEC for Fish 0,022 mg/l
 Chronic NOEC for Crustacea 0,015 mg/l

12.2. Persistence and degradability**MINEMA 1-2-44**

Solubility in water 50,05 mg/l 0,1-100
 Degradability: information not available Sostanza inorganica

P10889 - RESINFIP COAT AC 351**SECTION 12. Ecological information ... / >>**

TALC	
Solubility in water	0,1 mg/l
Degradability: information not available	Sostanza inorganica
Sodio esametafosfato	
Degradability: information not available	Sostanza inorganica
TITANIUM DIOXIDE	
Degradability: information not available	Sostanza inorganica
MICA-Naturally occurring substances	
Solubility in water	< 1 mg/l
Reaction mass of bis(2-methylpropyl) pentanedioate and bis(2-methylpropyl) butanedioate and bis(2-methylpropyl) hexanedioate	
Solubility in water	68 mg/l
Rapidly degradable	100%
ETHANEDIOL	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	
QUARTZ	
Degradability: information not available	
1,2-Benzoisothiazol-3(2H)-one	
Solubility in water	1288 mg/l
NOT rapidly degradable	
Terbutryn	
Solubility in water	25 mg/l
Rapidly degradable	
2-OCTYL-2H-ISOTHIAZOL-3-ONE	
Solubility in water	500 mg/l
NOT rapidly degradable	
REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)	
NOT rapidly degradable	<50%
4,5-dicloro-2-ottil-2H-isotiazol-3-one	
Rapidly degradable	
OCTAMETHYLCYCLOTETRASIOXANE	
Solubility in water	0,056 mg/l
NOT rapidly degradable	3,7%

12.3. Bioaccumulative potential

TALC	
Partition coefficient: n-octanol/water	-9,4 Log Kow
BCF	3,16
Reaction mass of bis(2-methylpropyl) pentanedioate and bis(2-methylpropyl) butanedioate and bis(2-methylpropyl) hexanedioate	
Partition coefficient: n-octanol/water	6,5 Log Kow
ETHANEDIOL	
Partition coefficient: n-octanol/water	-1,36
1,2-Benzoisothiazol-3(2H)-one	
Partition coefficient: n-octanol/water	0,7 20°C
BCF	6,62
Terbutryn	
Partition coefficient: n-octanol/water	3,19 Log Kow Metodo HPLC
BCF	103

SECTION 12. Ecological information ... / >>

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Partition coefficient: n-octanol/water

BCF

2,61 Log Kow

19,21

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Partition coefficient: n-octanol/water

BCF

< 0,71 Log Kow Metodo HPLC

3,16

4,5-dicloro-2-ottil-2H-isotiazol-3-one

Partition coefficient: n-octanol/water

BCF

4,4 Log Kow

13

OCTAMETHYLCYCLOTETRASIOXANE

Partition coefficient: n-octanol/water

BCF

6,98 Log Kow

14900

12.4. Mobility in soil

TALC

Partition coefficient: soil/water

31,82

1,2-Benzoisothiazol-3(2H)-one

Partition coefficient: soil/water

9,33

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Partition coefficient: soil/water

179,8

OCTAMETHYLCYCLOTETRASIOXANE

Partition coefficient: soil/water

16596

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

P10889 - RESINFIP COAT AC 351**SECTION 14. Transport information** ... / >>**14.2. UN proper shipping name**

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Seveso Category - Directive 2012/18/EU: NoneRestrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006ProductPoint 3Contained substancePoint 75Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

P10889 - RESINFIP COAT AC 351**SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Repr. 2	Reproductive toxicity, category 2
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1C	Skin corrosion, category 1C
Skin Corr. 1	Skin corrosion, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H361f	Suspected of damaging fertility.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H302	Harmful if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.
EUH071	Corrosive to the respiratory tract.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit

P10889 - RESINFIP COAT AC 351**SECTION 16. Other information ... / >>**

- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
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9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
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- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

03 / 11 / 12.