

**MARMORIN EXTRA** 

Revision nr. 2

Dated 15/02/2022

### Printed on 28/08/2023

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Replaced revision:1 (Printed on: 15/02/2017)

According to Annex II to	Safety Data S		UK REACH
SECTION 1. Identification of the sub	stance/mixture and	of the company/ur	ndertaking
1.1. Product identifier			
Code: Product name	455157 MARMORIN EXTRA		
1.2. Relevant identified uses of the substance or n			
Identified Uses Paint / Coating	Industrial	Professional PC: 9a.	Consumer PC: 9a.
Uses Advised Against		10.00.	10.00.
All uses other than painting in construction.			
1.3. Details of the supplier of the safety data sheet	1		
Name	CROMOLOGY ITALIA S.P.	.A.	
Full address District and Country	Via IV Novembre, 4 55016 Porcari (LU) Italia		
	Tel. 199.11.99.55		
	Fax 199.11.99.77		
e-mail address of the competent person			
responsible for the Safety Data Sheet	info-sds@cromology.it		
responsible for the ballety bala brief	into-sus ecromology.it		
<b>1.4. Emergency telephone number</b> For urgent inquiries refer to	Contact your local poison For more information: Cro from Monday to Friday 9:3	mology Italia SpA Phon	e +39 05832424
SECTION 2. Hazards identification			
2.1. Classification of the substance or mixture			
The product is classified as hazardous pursuant to the supplements). The product thus requires a safety datas Any additional information concerning the risks for healt	heet that complies with the pr	ovisions of (EU) Regulatio	n 2020/878.
Hazard classification and indication:			
Serious eye damage, category 1 Skin irritation, category 2	H318 H315	Causes serious eye d Causes skin irritation.	amage.
The classification of the compound, featuring an extrem	e pH value, is based on the re	esults of an appropriate in	vitro test.
2.2. Label elements			



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

Hazard pictograms:



Signal words:	Danger			
Hazard statements:				
H318	Causes serious eye damage.			
H315	Causes skin irritation.			
EUH211	Warning! Hazardous respirable droplets may be fo	rmed when sprayed. Do not breathe spray or mist.		
Precautionary				
statements: P101	If medical advice is needed, have product containe	r or label at hand.		
P102	Keep out of reach of children.			
P280	Wear protective gloves / protective clothing / eye p	rotection / face protection.		
P302+P352	IF ON SKIN: Wash with plenty of water /			
P305+P351+P338	IF IN EYES: Rinse cautiously with water for severa rinsing.	I minutes. Remove contact lenses, if present and easy to do. Continue		
P501	Dispose of contents/container according to local re	gulation.		
Contains: VOC (Directive 2004/42/EC				
VOC airean in allitra of are	duct in a ready to use condition .	30,00		
Limit value:	duct in a ready-to-use condition :	30,00		
2.3. Other hazards				
On the basis of available da	ta, the product does not contain any PBT or vPvB in	percentage ≥ than 0,1%.		
The product does not conta	e product does not contain substances with endocrine disrupting properties in concentration $\geq 0.1\%$ .			



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## **SECTION 3. Composition/information on ingredients**

3.2. Mixtures

Contains:

Identification	Conc. %	Classification (EC) 1272/2008 (CLP)
CALCIUM HYDROXIDE		
CAS 1305-62-0	9,545	Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335
EC 215-137-3		
INDEX -		
REACH Reg. 01-2119475151-45- XXXX ZINC PYRITHION		
CAS 13463-41-7	0,001	Repr. 1B H360, Acute Tox. 2 H330, Acute Tox. 3 H301, STOT RE 1 H372, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=1000, Aquatic Chronic 1 H410 M=10
EC 236-671-3		LD50 Oral: 221 mg/kg, LC50 Inhalation mists/powders: 0,14 mg/l/4h
INDEX -		

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

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

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

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

Information not available

## 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.



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## 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

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.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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).

## **SECTION 6.** Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

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.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

#### 6.3. Methods and material for containment and cleaning up

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.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## **SECTION 7. Handling and storage**

### 7.1. Precautions for safe handling

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.

### 7.2. Conditions for safe storage, including any incompatibilities

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.

### 7.3. Specific end use(s)

See the exposure scenarios attached to this safety datasheet.



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## **SECTION 8. Exposure controls/personal protection**

#### 8.1. Control parameters

Regulatory references:

ITA EU	Italia OEL EU		Directive (EU) 20 Directive (EU) 20	017/2398; Directiv	e (EU) 2019/183 re (EU) 2017/164	4; Directive 2009/	161/EU; Direct	ctive (EU) 2019/98 ve 2006/15/EC; Di	
	TLV-ACGIH		2004/37/EC; Dire ACGIH 2022	ective 2000/39/E0	C; Directive 98/24	4/EC; Directive 9	1/322/EEC.		
	HYDROXIDE Limit Value								
Туре		Country	TWA/8h		STEL/15min		Remarks Observa		
			mg/m3	ppm	mg/m3	ppm			
VLEP		ITA	1		4				
OEL		EU	1		4				
TLV-ACGIH			5						
Predicted no	-effect concentratio	n - PNEC							
Normal value	e in fresh water				0,49	mg	j/l		
Normal value	e in marine water				0,32	mg	j/l		
Normal value	e of STP microorgar	nisms			3	mg	ı/I		
Normal value	e for the terrestrial c	ompartment			1080	mg	ı/I		
Health - De	erived no-effect	level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exp	osure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NEA	NPI	NEA	NPI		Systemic		Systemic
Inhalation		4 mg/m3	NPI	1 mg/m3	NPI	4 mg/m3	NPI	1 mg/m3	NPI
Skin		VND	NPI	VND	NPI	VND	NPI	VND	NPI
egend:									
C) = CEILIN	G ; INHAL = Ir	halable Fractior	ו; RESP = Res	pirable Fractior	); THORA =	- Thoracic Frac	tion.		

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.

When choosing risk management measures and operating conditions, consult the exposure scenarios attached.

Provide an emergency shower with face and eye wash station.



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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, failure time and permeability. 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.

Protect hands with category III work gloves (ref. Standard EN 374) nitrile gloves.

### 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 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, 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). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

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. The protection provided by masks is in any case limited.

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.

For information on controlling environmental exposure, see the exposure scenarios attached to this safety datasheet.

## **SECTION 9.** Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties Appearance	<b>Value</b> liquid	Information
Colour	white, various	
Odour	mild, characteristic	
Melting point / freezing point	< 5 °C	
Initial boiling point	100 °C	
Flammability	not applicable	
Lower explosive limit	not applicable	
Upper explosive limit	not applicable	
Flash point	> 60 °C	
Auto-ignition temperature	not applicable	
Decomposition temperature	not applicable	
рН	12	Method:ISO 19396-1 Concentration: 100 %
		Temperature: 20 °C
Kinematic viscosity Dynamic viscosity	not available 45000 mPa.s	Temperature: 20 °C Method:ISO 2884-1

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		Temperature: 20 °C	
Solubility	completely dispersible in	· · · · · · · · · · · · · · · · · · ·	
Partition coefficient: n-octanol/water	water not applicable		
Vapour pressure	not available		
Density and/or relative density	1,86 kg/l	Method:ISO 2811-1 Temperature: 20 °C	
Relative vapour density	>1	Method:Derived Temperature: 20 °C	
Particle characteristics	not applicable		
9.2. Other information			
9.2.1. Information with regard to physical	hazard classes		
Information not available			
9.2.2. Other safety characteristics			
VOC (Directive 2004/42/EC) :	1,61 % - 30,00 g/litre		
SECTION 10. Stability and re	eactivity		
0.1. Reactivity			
ubstances to be avoided: acids. Condition	ns to avoid: frost and strong heat. Ir	a case of dilution with water, the	product can be heated.
0.2. Chemical stability			
he product is stable under normal condition	ons of use and storage. Avoiding hi	gh temperatures can cause ther	mal decomposition.
0.3. Possibility of hazardous reactions			
ee paragraph 10.1			
0.4. Conditions to avoid			
void heating the product.			
0.5. Incompatible materials			
cids.			
0.6. Hazardous decomposition product	s		
ue to thermal decomposition or in the eve	nt of fire, gases and potentially har	mful to health can be released.	
SECTION 11. Toxicological	information		



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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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

Information not available

Interactive effects

Information not available

### ACUTE TOXICITY

ATE (Inhalation) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:

CALCIUM HYDROXIDE

LD50 (Oral): LD50 (Dermal):

### CALCIUM CARBONATE

LD50 (Oral):

6450 mg/kg Rat

### ZINC PYRITHION

LD50 (Oral): LC50 (Inhalation mists/powders): 221 mg/kg 0,14 mg/l/4h

Titanium dioxide (content <1% of particles with aerodynamic diameter  $\leq$  10 µm)

LD50 (Oral):

> 5000 mg/kg Rat, Method 425 OECD

Not classified (no significant component) Not classified (no significant component)

Not classified (no significant component)

> 2000 mg/kg Rat (OECD 425)> 25000 mg/kg Rabbit (OECD 402)



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### **SKIN CORROSION / IRRITATION**

Causes skin irritation

## SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

### Respiratory sensitization

Information not available

Skin sensitization

Information not available

## GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

## CARCINOGENICITY

Does not meet the classification criteria for this hazard class

### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class



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Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure



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Information not available

#### 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**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

### 12.1. Toxicity

Information not available

CALCIUM HYDROXIDE	
LC50 - for Fish	50,6 mg/l pesci di acqua dolce.
EC50 - for Crustacea	> 49,1 mg/l/48h Dafnia
EC50 - for Algae / Aquatic Plants	> 184,57 mg/l/72h Algae
ZINC PYRITHION	
LC50 - for Fish	0,0104 mg/l/96h Brachydanio rerio (OECD 203)
EC50 - for Crustacea	0,051 mg/l/48h Dafnia magnia (OECD 202)
EC50 - for Algae / Aquatic Plants	0,0013 mg/l/72h Selenastrum capricornutum (OECD 201)
Titanium dioxide (content <1% of particles with aerodynamic diameter ≤ 10 µm)	
LC50 - for Fish	> 1000 mg/l/96h
EC50 - for Crustacea	> 100 mg/l/48h Test Method 202 OECD
12.2. Persistence and degradability	
Titanium dioxide (content <1% of particles with aerodynamic diameter ≤ 10 µm)	
Solubility in water	< 0,001 mg/l
Degradability: information not available	
12.2. Biogeoumulative notential	
12.3. Bioaccumulative potential	



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#### 12.4. Mobility in soil

Information not available

### 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 ≥ 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.

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

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)



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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: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product Point

Contained substance

Point

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

3

75

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)



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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.

VOC (Directive 2004/42/EC) :

Interior matt walls and ceilings (Gloss < 25@60°).

### 15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

CALCIUM HYDROXIDE

## **SECTION 16. Other information**

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

Repr. 1B	Reproductive toxicity, category 1B
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
H360	May damage fertility or the unborn child.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure.
H318	Causes serious eye damage.



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H315	Causes	skin irritation.	
H335	May cau	se respiratory irritation.	
H400	Very tox	ic to aquatic life.	
H410	Very tox	ic to aquatic life with long lastin	a effects.
EUH211	Warning	, .	s may be formed when sprayed. Do not
Use descriptor s	ystem:		
PC	9a Coat	tings and paints, thinners, pain	t removers
<ul> <li>ATE: Acute To: CAS: Chemica</li> <li>CE50: Effective</li> <li>CE: Identifier ir</li> <li>CLP: Regulatio</li> <li>DNEL: Derived</li> <li>Ems: Emerger</li> <li>GHS: Globally</li> <li>IATA DGR: Internatio</li> <li>INDG: Internatio</li> <li>INDEX: Identifi</li> <li>LC50: Lethal de</li> <li>OEL: Occupation</li> <li>PEC: Predicted</li> <li>PEC: Predicted</li> <li>REACH: Regulation</li> <li>TLV: Thresholo</li> <li>TLV CEILING:</li> <li>TWA STEL: Sh</li> <li>VOC: Volatile ce</li> <li>vPVB: Very Pei</li> </ul>	xicity Estimate I Abstract Service Nu e concentration (requi h ESIS (European arc on (EC) 1272/2008 No Effect Level coy Schedule Harmonized System ernational Air Transpo zation Concentration s ional Maritime Organiz er in Annex VI of CLF oncentration 50% ose 50% onal Exposure Level t bioaccumulative and environmental Conc exposure level ed no effect concentra ation (EC) 1907/2006 n concerning the intel d Limit Value Concentration that sh ighted average exposure organic Compounds	ired to induce a 50% effect) shive of existing substances) of classification and labeling of ort Association Dangerous Goo 50% for dangerous goods ation centration ation or mational transport of dangerou hould not be exceeded during a sure limit nit accumulative as for REACH Re	chemicals ids Regulation s goods by train any time of occupational exposure.
2. Regulation (E 3. Regulation (E 4. Regulation (E 5. Regulation (E 6. Regulation (E 7. Regulation (E 8. Regulation (E 9. Regulation (I 10. Regulation (I 11. Regulation (I 12. Regulation (I 13. Regulation (I 14. Regulation (I 15. Regulation (I	C) 1907/2006 (REAC C) 1272/2008 (CLP) ( U) 2020/878 (II Anne: C) 790/2009 (I Atp. C U) 286/2011 (II Atp. ( U) 618/2012 (III Atp. ( U) 487/2013 (IV Atp. ( U) 944/2013 (V Atp. ( U) 605/2014 (VI Atp. EU) 2015/1221 (VII A	CLP) . CLP) p. CLP)	nt nt ent ent ent ament

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thoroughness of provided information This document must not be regarded The use of this product is not subject laws and regulations. The producer is Provide appointed staff with adequat CALCULATION METHODS FOR CL Chemical and physical hazards: Proo chemical-physical properties are repor Health hazards: Product classification	luct classification derives from criteria established by the CLP Regulatio	ity, comply with the current health and safety on, Annex I, Part 2. The data for evaluation of determined otherwise in Section 11.
Changes to previous review: The following sections were modified 02 / 03 / 05 / 07 / 08 / 09 / 10 / 11 / 12		
Exposure Scenarios		
Product Scenario Title Revision nr. File	MARMORIS RIV LISCIO BASE BIANCA Calce Idrata 1 1	