

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 18/04/2023

Revision Date: 18/04/2023

Revision Number: 1

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Product Code

Alternate Product Code Product Class Colour Recommended use

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 1-866-708-9180 www.benjaminmoore.com

SCUFF-X INTERIOR MATTE FINISH BASE 3 N4843X Water thinned paint All Paint

Only Representative (OR) ITS Testing Services (UK) Ltd. Bainbridge House 86-90 London Road Manchester United Kingdom M1 2PW e-mail: ies01.reach@intertek.com

Supplier Benjamin Moore UK Ltd. 804 Oxford Avenue Slough SL1 4LN Ph: +44 (0) 1753 575756 www.benjaminmoorepaint.co.uk

Emergency Telephone

CHEMTREC: +1-703-741-5970 CHEMTREC: (United Kingdom Local Number): +44-870-8200418 CHEMTREC: (London Local Number) +(44)-203-8073798

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008	
Skin sensitisation	Category 1A - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Product Identifier

Contains 5-Chloro-2-methyl-3(2H)-isothiazolone mixture with 2-methyl-3(2H)-isothiazolone (3:1), 1,2-Benzisothiazolin-3-one, 2-Methyl-4-isothiazolin-3-one



Signal word Warning

Hazard statements

H317 - May cause an allergic skin reaction H412 - Harmful to aquatic life with long lasting effects

EUH208 - Contains Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester, Carbamic acid, butyl-, 3-iodo-2-propynyl ester, 2-Propenoic acid, butyl ester, 2-Propenoic acid, 2-methyl-, methyl ester, Pentanedial May produce an allergic reaction

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

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

P280 - Wear protective gloves

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Other hazards Harmful to aquatic life

General Hazards

No information available

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EINECS/ELINCS No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number	UK REACH Registration Number (DUIN)
Titanium dioxide	236-675-5 257-372-4	13463-67-7	>=1 - <5	Not available	01-2119489379-17 -0168	UK-01-733619750 6-0-0011
1,2-Benzisothiazolin-3-one	220-120-9	2634-33-5	>=0.05 - <0.1	Acute Tox 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)		
Carbamic acid, 1H-benzimidazol-2-yl-,	234-232-0	10605-21-7	>=0.01 - < 0.05	Skin Sens. 1 (H317)		

N4843X - SCUFF-X INTERIOR MATTE FINISH BASE 3

methyl ester		r		·		
inetriyi ester				Muta. 1B (H340)		
				Repr. 1B (H360FD)		
				Aquatic Acute 1		
				(H400)		
				Aquatic Chronic 1		
				(H410)		
Pentanedial	203-856-5	111-30-8	>=0.01 - < 0.05	Acute Tox. 3		
				(H301)		
				Acute Tox. 2		
				(H330)		
				Skin Corr. 1B		
				(H314)		
				Resp. Sens. 1		
				(H334)		
				Skin Sens. 1A		
				(H317) STOT SE 3 (H335)		
				Aquatic Acute 1		
				(H400) Aquatic Chronic 2		
				(H411)		
				(EUH071)		
Carbamic acid, butyl-,	259-627-5	55406-53-6	>=0.01 - < 0.05	Acute Tox. 4		
3-iodo-2-propynyl ester	203-027-0	00400-00-0	>=0.01 - < 0.05	(H302)		
3-louo-z-propyrtyr ester				Acute Tox. 3		
				(H331)		
				Eye Dam. 1 (H318)		
				Skin Sens. 1		
				(H317)		
				STOT RE 1 (H372)		
				Aquatic Acute 1		
				(H400)		
				Aquatic Chronic 1		
				(H410)		
2-Propenoic acid, butyl	205-480-7	141-32-2	>=0.01 - < 0.05	Acute Tox. 4	01-2119453155-43	UK-01-442032564
ester				(H332)	-0088	2-3-0007
				Skin Irrit. 2 (H315)		
				Flam. Liq. 3 (H226)		
				[STOT SE 3 (H335)		
				STOT SE 3 (H335) Eye Irrit. 2 (H319)		
				Eye Irrit. 2 (H319) Skin Sens. 1		
				Eye Irrit. 2 (H319)		
2-Propenoic acid,	201-297-1	80-62-6	>=0.01 - < 0.05	Eye Irrit. 2 (H319) Skin Sens. 1		
2-Propenoic acid, 2-methyl-, methyl ester	201-297-1	80-62-6	>=0.01 - < 0.05	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		
	201-297-1	80-62-6	>=0.01 - < 0.05	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1		
	201-297-1	80-62-6	>=0.01 - < 0.05	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)		
	201-297-1	80-62-6	>=0.01 - < 0.05	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1		
2-methyl-, methyl ester				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o	201-297-1 220-239-6	80-62-6 2682-20-4	>=0.01 - < 0.05	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B		
2-methyl-, methyl ester				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Aquatic Acute 1		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Aquatic Acute 1 (H400)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o				Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic chronic 1		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o ne	220-239-6	2682-20-4	>=0.005 - <0.01	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H301) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic chronic 1 (H410)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o ne 5-Chloro-2-methyl-3(2H)-is	220-239-6			Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H301) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic chronic 1 (H410) Acute Tox. 3		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o ne 5-Chloro-2-methyl-3(2H)-is othiazolone mixture with	220-239-6	2682-20-4	>=0.005 - <0.01	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H301) Aquatic Acute 1 (H400) Aquatic chronic 1 (H410) Acute Tox. 3 (H301)		
2-methyl-, methyl ester 2-Methyl-4-isothiazolin-3-o ne 5-Chloro-2-methyl-3(2H)-is	220-239-6	2682-20-4	>=0.005 - <0.01	Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H301) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic chronic 1 (H410) Acute Tox. 3		

Acute Tox. 3
(H330)
Skin Corr. 1C
(H314)
Eye Dam 1 (H318) Skin Sens. 1
Skin Sens. 1
(H317)
Aquatic Acute 1
(H400)
Aquatic Chronic 1
(H410)

Section 4: FIRST AID MEASURES

4.1. Descri	ption	of	first	aid	measures

Description of first aid measuresGeneral AdviceNo hazards which require special first aid measures.Eye ContactRinse thoroughly with plenty of water for at least 15
minutes and consult a physician.Skin ContactWash off immediately with soap and plenty of water while
removing all contaminated clothes and shoes.InhalationMove to fresh air. If symptoms persist, call a physician.IngestionClean mouth with water and afterwards drink plenty of
water. Consult a physician if necessary.

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

Most Important Symptoms/Effects

May cause allergic skin reaction.

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

Notes To Physician

Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing media	
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	No information available.
5.2. Special hazards arising from the substance or mix	<u>kture</u>
Specific Hazards Arising From The Chemical	Closed containers may rupture if exposed to fire or extreme heat.
Sensitivity to static discharge	No

Sensitivity to mechanical impact

5.3. Advice for firefighters

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective suit.

Avoid contact with skin, eyes and clothing. Ensure

adequate ventilation.

for disposal.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Other Information

6.2. Environmental precautions

Environmental precautions

Prevent spreading of vapours through sewers, ventilation systems and confined areas.

Absorb with inert material and place in suitable container

Observe all relevant local and international regulations.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Methods for Cleaning Up

Clean contaminated surface thoroughly.

6.4. Reference to other sections

Other information

See Section 12 for additional information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling Avoid contact with skin, eyes and clothing. Avoid breathing Handling vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wash thoroughly after handling. **Hygiene Measures** 7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed. Keep out of the reach of Storage children. 7.3. Specific end use(s) Architectural coating. Apply as directed. Refer to product **Specific Uses** label / literature for specific instructions. **Risk Management Methods (RMM)** Not Applicable.

No

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical name	European Unior	n Belgium	۱	Bulga	iria	C	/prus		France	Ireland
Titanium dioxide	-	TWA: 10 mg	g/m³	TWA: 10.0) mg/m³		-	TW	A: 10 mg/m ³	TWA: 10 mg/m ³
13463-67-7				TWA: 1.0	mg/m³					TWA: 4 mg/m ³
										STEL: 30 mg/m ³
										STEL: 12 mg/m ³
Chemical name	Germany TRGS	Greece		Hung	ary	lce	eland	lta	Iy MDLPS	Latvia
Titanium dioxide	-	TWA: 10 mg	g/m³	-		6 mg/	′m³ TWA		-	TWA: 10 mg/m ³
13463-67-7		TWA: 5 mg	/m³							
Chemical name	Lithuania	Netherlands	F	Poland	Rom	ania	Spain		Sweden	United Kingdom
Titanium dioxide	TWA: 5 mg/m ³	-	STEL	.: 30 mg/m ³	TWA: 10	0 mg/m ³	TWA: 10 m	ng/m³	TLV: 5 mg/m	³ TWA: 10 mg/m ³
13463-67-7			TWA	: 10 mg/m ³	STEL: 1	5 mg/m ³				TWA: 4 mg/m ³
										STEL: 30 mg/m ³
										STEL: 12 mg/m ³

8.2. Exposure controls

Occupational exposure controls

Engineering Measures

Personal Protective Equipment

Respiratory Protection

Eye Protection

Skin Protection

Hand protection

Hygiene Measures

Ensure adequate ventilation, especially in confined areas.

In case of insufficient ventilation wear suitable respiratory equipment.

Safety glasses with side-shields.

Lightweight protective clothing.

Impervious gloves.

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Odour Odour Threshold

Property Density (g/L) Relative Density pH Viscosity (cps) Solubility(ies) Water solubility Evaporation Rate Vapour pressure @20 °C (kPa) liquid little or no odor No information available

Values 1048 - 1060 1.05 - 1.07 No information available Remarks Method

- None known
- None known None known None known None known

Relative vapour density Wt. % Solids Vol. % Solids Wt. % Volatiles Vol. % Volatiles Boiling Point (°C) Freezing Point (°C) Melting Point (°C) Pour Point Flash Point (°C) Flammability (solid, gas) Upper flammability limit: Lower flammability limit Autoignition Temperature (°C)	No information available 40 - 50 35 - 45 50 - 60 55 - 65 100 0 No information available No information available Not applicable No information available No information available No information available	None known None known
Decomposition Temperature (°C) Partition coefficient Explosive properties	No information available No information available No information available	None known None known None known
Oxidising Properties	No information available	None known

Section 10: STABILITY AND REACTIVITY

<u>10.1. Reactivity</u> Reactivity	Not Applicable.
10.2. Chemical stability	
Chemical Stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	
Possibility of hazardous reactions	None under normal conditions of use.
10.4. Conditions to avoid	
Conditions to avoid	Prevent from freezing.
10.5. Incompatible materials	
Incompatible Materials	No materials to be especially mentioned.
10.6. Hazardous decomposition products	
Hazardous Decomposition Products	None under normal conditions of use.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

Inhalation	There is no data available for this product.
Eye contact	There is no data available for this product.

Skin contact

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

There is no data available for this product.

Ingestion

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		
1,2-Benzisothiazolin-3-one 2634-33-5	= 1020 mg/kg (Rat)	> 2000 mg/kg (Rat)	
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7	> 5050 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	
Pentanedial 111-30-8	= 252 mg/kg (Rat)	= 1800 mg/kg (Rabbit)= 560 µL/kg (Rabbit)	= 40.1 ppm (Rat) 4 h = 23.5 ppm (Rat) 4 h
Carbamic acid, butyl-, 3-iodo-2-propynyl ester 55406-53-6	= 1470 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 0.67 mg/L (Rat) 4 h = 0.63 mg/L (Rat) 4 h = 0.99 mg/L (Rat) 4 h
2-Propenoic acid, butyl ester 141-32-2	= 2680 mg/kg (Rat)	= 2001 mg/kg (Rabbit)	= 10.3 mg/L (Rat)4 h
2-Propenoic acid, 2-methyl-, methyl ester 80-62-6	8420 - 10000 mg/kg (Rat)	5000 - 7500 mg/kg (Rabbit)	= 29.8 mg/L (Rat)4 h
2-Methyl-4-isothiazolin-3-one 2682-20-4		= 200 mg/kg (Rabbit)	
5-Chloro-2-methyl-3(2H)-isothiazolo ne mixture with 2-methyl-3(2H)-isothiazolone (3:1) 55965-84-9	= 53 mg/kg (Rat) = 481 mg/kg (Rat) 232 - 249 mg/kg (Rat) = 120 mg/kg (Rat)	= 87.12 mg/kg (Rabbit) = 200 mg/kg (Rabbit)	= 1.23 mg/L (Rat)4 h = 0.11 mg/L (Rat)4 h

Caution - This mixture contains a substance not yet fully tested

Skin corrosion/irritation

Eye damage/irritation

Sensitisation

nenia Effecto

No information available.

No information available.

May cause an allergic skin reaction.

Mutagenic Effects

No information available.

Carcinogenic effects

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union	IARC
Titanium dioxide		2B - Possible Human Carcinogen
13463-67-7		_

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend

IARC - International Agency for Research on Cancer

Reproductive Effects	No information available.
Developmental Effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Neurological Effects	No information available.
Target organ effects	No information available.
Symptoms	No information available.
Aspiration Hazard	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

The environmental impact of this product has not been fully investigated

Chemical name	Algae/aquatic plants	Fish	Crustacea
Pentanedial	EC50: =0.61mg/L (72h,		EC50: 0.56 - 1.0mg/L (48h, Daphnia
111-30-8	Desmodesmus subspicatus) EC50:	Oncorhynchus mykiss) LC50: 7.8 -	magna) EC50: =14mg/L (48h,
	=0.84mg/L (96h, Desmodesmus	13mg/L (96h, Oncorhynchus mykiss)	Daphnia magna)
	subspicatus)	LC50: 7.8 - 22mg/L (96h, Lepomis	
		macrochirus) LC50: =5.4mg/L (96h,	
		Pimephales promelas)	
Carbamic acid, butyl-,		LC50: 0.049 - 0.079mg/L (96h,	
3-iodo-2-propynyl ester		Oncorhynchus mykiss) LC50: 0.05 -	
55406-53-6		0.089mg/L (96h, Oncorhynchus	
		mykiss) LC50: 0.14 - 0.32mg/L (96h,	
		Lepomis macrochirus) LC50: 0.18 -	
		0.23mg/L (96h, Pimephales	
		promelas)	
2-Propenoic acid, butyl ester	EC50: =5.5mg/L (96h,	LC50: =5.2mg/L (96h, Oncorhynchus	EC50: =8.2mg/L (48h, Daphnia
141-32-2	Pseudokirchneriella subcapitata)	mykiss)	magna)
2-Propenoic acid, 2-methyl-, methyl	EC50: =170mg/L (96h,	LC50: 243 - 275mg/L (96h,	EC50: =69mg/L (48h, Daphnia
ester	Pseudokirchneriella subcapitata)	Pimephales promelas)	magna)
80-62-6		LC50: 125.5 - 190.7mg/L (96h,	
		Pimephales promelas)	
		LC50: 170 - 206mg/L (96h, Lepomis	
		macrochirus)	
		LC50: 153.9 - 341.8mg/L (96h,	
		Lepomis macrochirus)	
		LC50: >79mg/L (96h, Oncorhynchus	
		mykiss)	
		LC50: 326.4 - 426.9mg/L (96h,	
		Poecilia reticulata)	
5-Chloro-2-methyl-3(2H)-isothiazolo		LC50: =1.6mg/L (96h, Oncorhynchus	U
ne mixture with	Pseudokirchneriella subcapitata)	mykiss)	magna)
2-methyl-3(2H)-isothiazolone (3:1)	EC50: 0.03 - 0.13mg/L (96h,		EC50: 0.12 - 0.3mg/L (48h, Daphnia
55965-84-9	Pseudokirchneriella subcapitata)		magna)
			EC50: 0.71 - 0.99mg/L (48h,
			Daphnia magna)

12.2. Persistence and degradability

Persistence / Degradability

No information available.

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Chemical name	Partition coefficient
1,2-Benzisothiazolin-3-one 2634-33-5	1.3
Pentanedial 111-30-8	0.22
2-Propenoic acid, butyl ester 141-32-2	2.38
2-Propenoic acid, 2-methyl-, methyl ester 80-62-6	0.7
5-Chloro-2-methyl-3(2H)-isothiazolone mixture with 2-methyl-3(2H)-isothiazolone (3:1) 55965-84-9	-0.71 - 0.75

12.4. Mobility in soil

Mobility in soil

No information available.

No information available.

Mobility in Environmental Media

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

No information available.

Chemical name	PBT and vPvB assessment
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB PBT assessment does not apply
1,2-Benzisothiazolin-3-one 2634-33-5	The substance is not PBT / vPvB
Pentanedial 111-30-8	The substance is not PBT / vPvB
Carbamic acid, butyl-, 3-iodo-2-propynyl ester 55406-53-6	The substance is not PBT / vPvB PBT assessment does not apply
2-Propenoic acid, butyl ester 141-32-2	The substance is not PBT / vPvB PBT assessment does not apply
2-Propenoic acid, 2-methyl-, methyl ester 80-62-6	The substance is not PBT / vPvB PBT assessment does not apply
2-Methyl-4-isothiazolin-3-one 2682-20-4	The substance is not PBT / vPvB
5-Chloro-2-methyl-3(2H)-isothiazolone mixture with 2-methyl-3(2H)-isothiazolone (3:1) 55965-84-9	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects

No information available

Chemical name	EU - Endocrine Disrupters	EU - Endocrine Disruptors -	Endocrine disrupting
	Candidate List	Evaluated Substances	potential
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	Group II Chemical		

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products

Contaminated Packaging

EWC waste disposal No

Other Information

Dispose of in accordance with the European Directives on waste and hazardous waste.

Empty containers should be taken for local recycling, recovery or waste disposal.

No information available

Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated
ΙΑΤΑ	Not regulated

Section 15: REGULATORY INFORMATION

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

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
1,2-Benzisothiazolin-3-one	RG 65
2634-33-5	
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	RG 5,RG 14,RG 15,RG 15bis,RG 20bis RG 2,RG 9,RG
10605-21-7	14,RG 20,RG 34,RG 65
Pentanedial	RG 65,RG 66
111-30-8	
2-Propenoic acid, butyl ester	RG 65
141-32-2	
2-Propenoic acid, 2-methyl-, methyl ester	RG 65,RG 82
80-62-6	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

AIIC DSL: Canada EINECS: European Union Inventory of Existing No - Not all of the components are listed. Yes - All components are listed or exempt. No - Not all of the components are listed.

Substances
ENCS
IECSC
KECL
PICCS
TSCA: United States

No - Not all of the components are listed.

No - Not all of the components are listed.

No - Not all of the components are listed.

No - Not all of the components are listed.

Yes - All components are listed or exempt.

Legend

AICS - Australian Inventory of Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
IECSC - China Inventory of Existing Chemical Substances
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

15.2. Chemical safety assessment

Chemical Safety Report

No information available

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

EUH071 - Corrosive to the respiratory tract

H225 - Highly flammable liquid and vapour

- H226 Flammable liquid and vapour
- H301 Toxic if swallowed
- H302 Harmful if swallowed
- H310 Fatal in contact with skin
- H311 Toxic in contact with skin
- H314 Causes severe skin burns and eye damage
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H319 Causes serious eye irritation
- H330 Fatal if inhaled
- H331 Toxic if inhaled
- H332 Harmful if inhaled
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 May cause respiratory irritation
- H340 May cause genetic defects

H360FD - May damage fertility. May damage the unborn child

- H372 Causes damage to organs through prolonged or repeated exposure
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects
- H411 Toxic to aquatic life with long lasting effects

Classification procedure:

Key literature references and sources for data

Prepared By

Expert judgment and weight of evidence determination

Data from internal and external sources

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Disclaimer

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End of Safety Data Sheet