

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code:	SCEC03602_
Product name	Textil HT FAST
Chemical name and synonym	Water based polymer emulsion

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

Intended use	Aqueous emulsion of water dispersible polymers, pigments and plasticizers for screen printing.
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1.3. Details of the supplier of the safety data sheet

Name	SAATI SPA
Full address	Via Milano, 14
District and Country	22070 Appiano Gentile (CO) Italy
	Tel. 0039. 031.9711
	Fax 0039.031.933.392
e-mail address of the competent person responsible for the Safety Data Sheet	info.it@saatichem.com

1.4. Emergency telephone number

For urgent inquiries refer to	SAATI SPA - tel+39 0319711 - fax+39 031933392
	CAV Ospedale Niguarda Milano tel+39 0266101029
	CAV IRCCS Fond.Maugeri Pavia tel+39 038224444
	CAV Policlinico Gemelli Roma tel+39 063054343
	CAV Ospedale Cardarelli Napoli tel+39 0817472870

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 2015/830.

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:

Eye irritation, category 2	H319	Causes serious eye irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.

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:

H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
EUH208	Contains: 5-Chloro-2-methyl-4-isothiazolin-3-one/2-methyl-2h-isothiazol-3-one

SECTION 2. Hazards identification ... / >>

2-HYDROXYETHYL ACRYLATE
May produce an allergic reaction.

Precautionary statements:

P280 Wear protective gloves / eye protection / face protection.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P337+P313 If eye irritation persists: Get medical advice / attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Contains: Glycerol, propoxilated, esters with acrylic acid
Ethoxylated methylolpropane acrylate

2.3. Other hazards

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Glycerol, propoxilated, esters with acrylic acid		
CAS	52408-84-1 $5 \leq x < 7,5$	Eye Irrit. 2 H319, Skin Sens. 1 H317
EC	500-114-5	
INDEX		
Reg. no.	01-2119487948-12-xxxx	
Ethoxylated methylolpropane acrylate		
CAS	28961-43-5 $4 \leq x < 4,5$	Eye Irrit. 2 H319, Skin Sens. 1B H317
EC	500-066-5	
INDEX		
Reg. no.	01-2119489900-30-xxxx	
Propanol, oxybis-, dibenzoate		
CAS	27138-31-4 $1 \leq x < 1,5$	Aquatic Chronic 3 H412
EC	248-258-5	
INDEX		
Reg. no.	01-2119529241-49-xxxx	
Ethyl-4-dimethyl aminobenzoate		
CAS	10287-53-3 $0,25 \leq x < 0,3$	Repr. 1B H360, Aquatic Chronic 2 H411
EC	233-634-3	
INDEX		
Reg. no.	01-2120766020-67	
2-HYDROXYETHYL ACRYLATE		
CAS	818-61-1 $0,25 \leq x < 0,3$	Acute Tox. 2 H310, Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP Regulation: D
EC	212-454-9	
INDEX	607-072-00-8	
Reg. no.		
2-BROMO-2-NITROPROPAN-1,3-DIOL		
CAS	52-51-7 $0,05 \leq x < 0,1$	Acute Tox. 4 H302, Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1
EC	200-143-0	
INDEX	603-085-00-8	
Reg. no.		
5-Chloro-2-methyl-4-isothiazolin-3-one/2-methyl-2h-isothiazol-3-one		
CAS	55965-84-9 $0 \leq x < 0,0015$	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100
EC	611-341-5	
INDEX	613-167-00-5	
Reg. no.		

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

Choose the most appropriate extinguishing equipment for the specific case.

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

The product is neither flammable nor combustible.

5.3. Advice for firefighters

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.

Storage class TRGS 510 (Germany): 12

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
NLD	Nederland	Regeling van de Staatssecretaris van Sociale Zaken en Werkgelegenheid van 13 juli 2018, 2018-0000118517 tot wijziging van de Arbeidsomstandighedenregeling in verband met de implementatie van Richtlijn 2017/164 in Bijlage XIII
SWE	Sverige	Hygieniska gränsvärden, AFS 2018:1

Glycerol, propoxilated, esters with acrylic acid

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00574	mg/l
Normal value in marine water	0,00057	mg/l
	4	
Normal value for fresh water sediment	0,078	mg/kg dw
Normal value for marine water sediment	0,0078	mg/kg dw
Normal value for water, intermittent release	0,0574	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the food chain (secondary poisoning)	5,6	mg/kg
Normal value for the terrestrial compartment	0,00111	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Effects on workers					
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	1,39 mg/kg				
Inhalation			VND	4,87 mg/m3			VND	16,22 mg/m3
Skin			VND	1,15 mg/kg			VND	1,92 mg/kg

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

Ethoxylated methylolpropane acrylate

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00195	mg/l
Normal value in marine water	0,00019	mg/l
	5	
Normal value for fresh water sediment	0,0082	mg/kg
Normal value for marine water sediment	0,00082	mg/kg
Normal value for water, intermittent release	0,0195	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the food chain (secondary poisoning)	5,6	mg/kg
Normal value for the terrestrial compartment	0,00587	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	1,4 mg/kg/day				
Inhalation			VND	4,9 mg/m3			VND	16,2 mg/m3
Skin			VND	0,5 mg/kg/day			VND	0,8 mg/kg/day

Propanol, oxybis-, dibenzoate

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0037	mg/l
Normal value in marine water	0,00037	mg/l
Normal value for fresh water sediment	1,49	mg/kg
Normal value for marine water sediment	0,149	mg/kg
Normal value for water, intermittent release	0,037	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	1	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND	80 mg/kg	VND	5 mg/kg				
Inhalation	VND	8,7 mg/m3	VND	8,69 mg/m3	VND	35,08 mg/m3	VND	8,8 mg/m3
Skin	VND	80 mg/kg bw/d	VND	0,22 mg/kg bw/d	VND	170 mg/kg bw/d	VND	10 mg/kg bw/d

Ethyl-4-dimethyl aminobenzoate

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,002	mg/l
Normal value in marine water	0	mg/l
Normal value for fresh water sediment	0,113	mg/kg dw
Normal value for marine water sediment	0,011	mg/kg dw
Normal value for water, intermittent release	0,019	mg/l
Normal value of STP microorganisms	100	mg/l
Normal value for the food chain (secondary poisoning)	740	mg/kg
Normal value for the terrestrial compartment	0,021	mg/kg dw

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation							VND	1,2 mg/kg
Skin							VND	0,3 mg/kg bw/d

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

2-HYDROXYETHYL ACRYLATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m ³	ppm	mg/m ³	ppm	
TLV	DNK	5	1			
TGG	NLD		0,05			
NGV/KGV	SWE	5	1	10	2	SKIN

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0096	mg/l
Normal value in marine water	0,00096	mg/l
Normal value for fresh water sediment	0,0355	mg/kg
Normal value for marine water sediment	0,00355	mg/kg
Normal value for water, intermittent release	0,0361	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,00147	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation			1,2	VND			2,4	VND
			mg/m ³				mg/m ³	

2-BROMO-2-NITROPROPAN-1,3-DIOL

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,01	mg/l
Normal value in marine water	0,0008	mg/l
Normal value for fresh water sediment	0,041	mg/kg
Normal value for marine water sediment	0,041	mg/kg
Normal value for water, intermittent release	0,0025	mg/l
Normal value of STP microorganisms	0,43	mg/l
Normal value for the terrestrial compartment	0,5	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral	VND	1,1	VND	0,35				
		mg/kg		mg/kg				
Inhalation	1,3	3,7	1,3	1,2	4,2	12,3	4,2	4,1
	mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³
Skin	VND	4,2	VND	1,4	VND	7	VND	2,3
		mg/kg		mg/kg		mg/kg		mg/kg

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.

8.2. Exposure controls

Engineering Controls: Provide adequate ventilation to control air contaminants below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Aspiratory system is recommended.

RESPIRATORY PROTECTION: If exposure levels exceed the PEL/TLV levels, use approved respirator.

SKIN PROTECTION: Nitrile gloves are required to prevent skin contact.

EYE PROTECTION: Safety glasses required.

OTHER PROTECTION : Face Shield and apron are recommended.

ENVIRONMENTAL EXPOSURE CONTROLS

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

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	viscous liquid	
Colour	blue	

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

Odour	Light
Odour threshold	Not available
pH	5,5
Melting point / freezing point	Not available
Initial boiling point	100 °C
Boiling range	Not available
Flash point	Not available
Evaporation Rate	Not available
Flammability of solids and gases	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	18 mmHg
Vapour density	Not available
Relative density	1,05
Solubility	partially soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	28200 mPa*s
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Total solids (250°C / 482°F)	45,00 %	
VOC (Directive 2010/75/EC) :	0,63 % - 6,57	g/litre
VOC (volatile carbon) :	0,37 % - 3,87	g/litre

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

The product is 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.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

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 toxicological effects

Glycerol, propoxylated, esters with acrylic acid	
Propoxylated glycerol, esters with acrylic acid:	Eye irritation: Irritating to eyes
Skin Irritation: Non-irritating to skin	
Sensitization: skin sensitizer	

SECTION 11. Toxicological information ... / >>

Ethyl-4-dimethyl aminobenzoate
 Ethyl-4-dimethyl aminobenzoate:
 Skin irritation: Non-irritating to the skin
 Eye irritation: Non-irritating to the eyes
 LD50> 2000 mg / Kg (oral, rat)
 LD50> 2000 mg / Kg (dermal, rat).

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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:	Not classified (no significant component)
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	>2000 mg/kg

2-BROMO-2-NITROPROPAN-1,3-DIOL

LD50 (Oral)	305 mg/kg study report; rat
LD50 (Dermal)	> 2000 mg/kg OECD 402; rat
LC50 (Inhalation)	> 0,588 mg/l study report; rat

2-HYDROXYETHYL ACRYLATE

LD50 (Oral)	960,5 mg/kg OECD 401; Rat
LD50 (Dermal)	> 1000 mg/kg OECD 402; Rat

Propanol, oxybis-, dibenzoate

LD50 (Oral)	3914 mg/kg Rat
LD50 (Dermal)	> 2000 mg/kg Rat
LC50 (Inhalation)	> 200 mg/L/air Rat

Ethoxylated methylolpropane acrylate

LD50 (Oral)	> 2000 mg/kg bw OECD 401; rat
LD50 (Dermal)	> 13200 mg/kg bw standard acute metod; rabbit

Ethyl-4-dimethyl aminobenzoate

LD50 (Oral)	> 2000 mg/kg bw Rat
LD50 (Dermal)	> 2000 mg/kg bw Rat

Glycerol, propoxilated, esters with acrylic acid

LD50 (Oral)	2000 mg/kg bw Rat
LD50 (Dermal)	2000 mg/kg bw Rabbit

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin
 May produce an allergic reaction.
 Contains:

SECTION 11. Toxicological information ... / >>

5-Chloro-2-methyl-4-isothiazolin-3-one/2-methyl-2h-isothiazol-3-one
 2-HYDROXYETHYL ACRYLATE

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

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

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.

Ethyl-4-dimethyl aminobenzoate

Ethyl-4-dimethyl aminobenzoate:

Possible impact on the environment / Ecotoxicity:

Do not discharge into drains or the environment; dispose of waste in an authorized waste collection point

12.1. Toxicity

2-BROMO-2-NITROPROPAN-1,3-DIOL

LC50 - for Fish

41,2 mg/l/96h EPA OPP 72-1; Oncorhynchus mykiss

EC50 - for Crustacea

1,4 mg/l/48h OECD 202; Daphnia magna

EC50 - for Algae / Aquatic Plants

0,37 mg/l/72h OECD 201; Pseudokirchnerella subcapitata; growth rate

Chronic NOEC for Fish

21,5 mg/l OECD 210; Oncorhynchus mykiss; 49d

Chronic NOEC for Crustacea

0,27 mg/l OECD 211; Daphnia magna; 21d

2-HYDROXYETHYL ACRYLATE

LC50 - for Fish

6,5 mg/l/96h OECD 203; Oryzias latipes

EC50 - for Crustacea

5,2 mg/l/48h OECD 202; Daphnia magna

EC50 - for Algae / Aquatic Plants

6 mg/l/72h OECD 201; Pseudokirchnerella subcapitata; growth rate

Chronic NOEC for Crustacea

0,48 mg/l OECD 211; Daphnia magna; reproduction

Propanol, oxybis-, dibenzoate

LC50 - for Fish

3,7 mg/l/96h

EC50 - for Crustacea

19,3 mg/l/48h

EC50 - for Algae / Aquatic Plants

4,9 mg/l/72h

Ethoxylated methylolpropane acrylate

LC50 - for Fish

1,95 mg/l/96h OECD 203; Danio rerio

EC50 - for Crustacea

70,7 mg/l/48h OECD 202; Daphnia magna

EC50 - for Algae / Aquatic Plants

2,2 mg/l/72h OECD 201; Desmodesmus subspicatus; growth rate

Ethyl-4-dimethyl aminobenzoate

LC50 - for Fish

1,9 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea

4,5 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

2,8 mg/l/72h Pseudokirchnerella subcapitata

Chronic NOEC for Fish

1,2 mg/l Oncorhynchus mykiss

SECTION 12. Ecological information ... / >>

Chronic NOEC for Crustacea	1,2 mg/l Oncorhynchus mykiss
Chronic NOEC for Algae / Aquatic Plants	0,29 mg/l Pseudokirchneriella subcapitata
Glycerol, propoxilated, esters with acrylic acid	
LC50 - for Fish	5,74 mg/l/96h Danio rerio (OECD TG 203)
EC50 - for Crustacea	91,4 mg/l/48h Daphnia magna (OECD TG 202)
EC50 - for Algae / Aquatic Plants	12,2 mg/l/72h Desmodesmus subspicatus (OECD TG 201)

12.2. Persistence and degradability

2-BROMO-2-NITROPROPAN-1,3-DIOL
Rapidly degradable

2-HYDROXYETHYL ACRYLATE
Rapidly degradable

Propanol, oxybis-, dibenzoate
Rapidly degradable

Ethoxylated methylolpropane acrylate
Rapidly degradable

Ethyl-4-dimethyl aminobenzoate
NOT rapidly degradable

Glycerol, propoxilated, esters with acrylic acid
Rapidly degradable

12.3. Bioaccumulative potential

5-Chloro-2-methyl-4-isothiazolin-3-one/2-methyl-2h-isothiazol-3-one
BCF 3,1

Glycerol, propoxilated, esters with acrylic acid
Partition coefficient: n-octanol/water 2,52 (OECD 107)

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Glycerol, propoxilated, esters with acrylic acid
Propoxylated glycerol, esters with acrylic acid: not PBT and vPvB

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

12.6. 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 15. Regulatory information ... / >>

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.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 2: Hazard to waters

15.2. Chemical safety assessment

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

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
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
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 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H360	May damage fertility or the unborn child.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
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.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level

SECTION 16. Other information ... / >>

- PBT: Persistent bioaccumulative and toxic as REACH Regulation - PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III 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
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
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15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
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- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
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- 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:

01 / 02 / 03 / 08 / 09 / 11 / 12 / 15 / 16.