

Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018
Revision n° 4
Rev. Date 23/01/2025
Page
1 of 17

<b>SECTION 1. Identification of the subs</b>	tance/mixture and of t	the company/undertal	king
<b>1.1. Product identifier</b> Code: Product name UFI :	F_176 White Musk LAUNDRY DETE RY73-5053-D00G-K6RR	RGENT	
1.2. Relevant identified uses of the substance or n	nixture and uses advised agair	nst	
Identified Uses	Industrial	Professional	Consumer
Laundry detergent	-	<b>v</b>	<b>~</b>
Uses Advised Against			
Do not use for uses other than those indicated			
<b>1.3. Details of the supplier of the safety data sheet</b> Name Full address District and Country	NEW FADOR S.r.I. via Mario Calderara, 31 25018 Montichiari (BS) Italia Tel. +39 030961 243 www.newfador.it		
e-mail address of the competent person			
responsible for the Safety Data Sheet	info@newfador.it		
<b>1.4. Emergency telephone number</b> For urgent inquiries refer to	NEW FADOR S.r.I. +39 030961 243 (08.30 - 17.30)		

# **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.

Classified based on the results of the ICE-PH-15/0339 study

Hazard classification and indication: Eye irritation, category 2

H319

Causes serious eye irritation.

#### 2.2. Label elements

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

Hazard pictograms:



Warning



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018
Revision n° 4
Rev. Date 23/01/2025
Page
2 of 17

H319 EUH208	Causes serious eye irritation. Contains: 1,2-benzisothiazol-3(2H)-one May produce an allergic reaction.
Precautionary	
statements:	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice / attention.

#### Ingredients (Regulation 648/2004)

Less than 5%	Soap
5% or over but less than	Anionic surfactants, Non-ionic surfactants
15%	

Perfumes, Benzyl Salicylate, Hexamethylindanopyran

Preservation agents: 2-BROMO-2-NITROPROPANE-1,3-DIOL, GLUTARAL, BENZISOTHIAZOLINONE

#### 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%. The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

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

### 3.1. Substances

Information not relevant

#### 3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
BENZENESULFONIC ACID, C10- 13-ALKYL DERIVS., SODIUM SALTS		
INDEX -	6≤x< 7	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315
EC 270-115-0		LD50 Oral: 1080 mg/kg
CAS 68411-30-3		
REACH Reg. 01-2119489428-22		
ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED		
INDEX -	5≤x< 6	Acute Tox. 4 H302, Eye Dam. 1 H318,
EC 931-954-4		Aquatic Chronic 3 H412 Eye Dam. 1 H318: ≥ 10%, Eye Irrit. 2 H319: ≥ 1% - < 10%
CAS 160901-19-9		LD50 Oral: >300 mg/kg



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page **3 Of 17** 

REACH Reg. 01-2119490233-42		
ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS		
INDEX -	1 ≤ x < 1,5	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC 500-234-8		Eye Dam. 1 H318: ≥ 10%, Eye Irrit. 2 H319: ≥ 5% - < 10%
CAS 68891-38-3		
REACH Reg. 01-2119488639-16		
bronopol (INN)		
INDEX 603-085-00-8	0 < x < 0,05	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 2 H411
EC 200-143-0		ATE Oral: 500 mg/kg, ATE Dermal: 1100 mg/kg
CAS 52-51-7		
REACH Reg. 01-2119980938-15		
1,2-benzisothiazol-3(2H)-one		
INDEX 613-088-00-6	0 < x < 0,036	Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 220-120-9		Skin Sens. 1A H317: ≥ 0,036%
CAS 2634-33-5		LD50 Oral: 450 mg/kg, ATE Inhalation mists/powders: 0,051 mg/l
MORPHOLINE		
INDEX 613-028-00-9	0 < x < 0,05	Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318
EC 203-815-1		LD50 Oral: 1050 mg/kg, ATE Dermal: 1100 mg/kg, LC50 Inhalation vapours: 35,1 mg/l/1h
CAS 110-91-8		

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 contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.



Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page 4 Of 17

Conforms to Reg. (EU) 878/2020

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 symptoms occur, whether acute or delayed, consult a doctor.

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

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.



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018
Revision n° 4
Rev. Date 23/01/2025
Page
5 of 17

#### 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)

Information not available

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

#### 8.1. Control parameters

Regulatory references:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ,
		СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари
		2020г.)
CZE	Česká Republika	NAŘÍZENÍ VLÁDY ze dne 10. května 2021, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se
-		stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung
-		gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2023
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret nº 2021-1849 du 28
		décembre 2021
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH
		HÄLSOVÅRDSMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών
		2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με
		την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή
		μεταλλαξιγόνους παράγοντες κατά την εργασία``»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők
	6, 6	hatásának kitett munkavállalók egészségének és biztonságának védelméről
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i
	Ū.	arbeidsmiliøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21.
		august 2018 nr. 1255



Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page 6 Of 17

Conforms to Reg. (EU) 878/2020

NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006
SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)
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) 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.
	TLV-ACGIH	ACGIH 2023

### BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS

Predicted no-effect concentration - PNEC

Normal value in fresh water				0,268	mg	/I		
Normal value in marine wate	er			0,027	mg	/I		
Normal value for fresh wate	r sediment			8,1	mg	/kg		
Normal value for marine wat	ter sediment			6,8	mg	/kg		
Normal value for water, inter	rmittent release			0,017	mg	/I		
Normal value of STP microc	organisms			3,43	mg	/I		
Normal value for the terrestr	ial compartment			35	mg	/kg		
Health - Derived no-eff	ect level - DNEL / D	OMEL						
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Oral				0,425 mg/kg				
				bw/d				
Inhalation			1,5	1,5 mg/m3			6	6 mg/m3
Skin				42,5 mg/kg				85 mg/kg
				bw/d				bw/d

### ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Predicted no-effect concent	ration - PNEC							
Normal value in fresh water				0,24	mg	/1		
Normal value in marine wate	er			0,024	mg	I/I		
Normal value for fresh wate	r sediment			0,917	mg	/kg		
Normal value for marine wa	ter sediment			0,092	mg	/kg		
Normal value for water, intermittent release		0,071	mg	mg/l				
Normal value of STP microc	organisms			10	g/l			
Normal value for the terrestrial compartment			7,5	mg	/kg			
Health - Derived no-eff	ect level - DNEL / [	OMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				15 mg/kg bw/d		•		•



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page

7 of 17

Inhalation						52 mg/m3				175 mg/m3
Skin						1650 mg/kg bw/d				2750 mg/kg bw/d
bronopol (INN) Predicted no-effect (	concentration -	PNEC								
Normal value in fres		-				0,01	mg	/I		
Normal value in mar	rine water					0,001	mg			
Normal value for free		ient				0,041	-	/kg/d		
Normal value for ma	arine water sed	iment				0,003	-	/kg/d		
Normal value for wa	ter, intermitten	t release				0,003	mg	-		
Normal value of STF						0,43	mg			
Normal value for the	-					0,5	-	/kg/d		
Health - Derived		•	//FI			5,5				
Doniou		Effects on					Effects on			
Route of exposure		consumers Acute local	Acute systemic	Chronic loca		Chronic	workers Acute local	Acute	Chronic local	Chronic
Oral			1,1 mg/kg bw/d			systemic 0,35 mg/kg		systemic		systemic
Inhalation		1,3 mg/m3	3,7 mg/m3	1,3 mg/m3		bw/d 1,2 mg/m3	4,2 mg/m3	12,3 mg/m3	4,2 mg/m3	4,1 mg/m3
Skin		0,008 mg/cm2	4,2 mg/kg bw/d	0,008 mg/cn	n2	1,4 mg/kg bw/d	0,013 mg/cm2	7 mg/kg bw/d	0,013 mg/cm2	2,3 mg/kg bw/d
MORPHOLINE Threshold Limit	Value									
Туре	Country	TWA/8	า		STE	L/15min		Remarks /		
		mg/m3		ppm	mg/r	m3	ppm	Observatio	ns	
TLV	BGR	36		10	72		20			
TLV	CZE	35		9,66	70		19,32			
AGW	DEU	36		10	72		20	SKIN		
MAK	DEU	36		10	72		20			
TLV	DNK	36		10				SKIN	E	
VLA	ESP	36		10	72		20			
VLEP	FRA	36		10	72		20			
HTP	FIN	36		10	72		20	SKIN		
		36		10	72		20			
TLV	GRC			10	12					
	GRC HUN	36		10	72					
AK				10			20	SKIN		
AK VLEP	HUN	36			72		20	SKIN		
AK VLEP TLV	HUN	36 36		10	72		20			
AK VLEP TLV TGG	HUN ITA NOR	36 36 36		10	72 72		20	SKIN		
AK VLEP TLV TGG VLE	HUN ITA NOR NLD	36 36 36 36		10 10	72 72 72			SKIN		
AK VLEP TLV TGG VLE NDS/NDSCh	HUN ITA NOR NLD PRT	36 36 36 36 36		10 10	72 72 72 72 72 72			SKIN SKIN		
TLV AK VLEP TLV TGG VLE NDS/NDSCh TLV NGV/KGV	HUN ITA NOR NLD PRT POL ROU	36 36 36 36 36 36		10 10 10	72 72 72 72 72 72 72		20	SKIN SKIN		
AK VLEP TLV TGG VLE NDS/NDSCh TLV NGV/KGV	HUN ITA NOR NLD PRT POL ROU SWE	36 36 36 36 36 36 36		10 10 10 10	72 72 72 72 72 72 72 72		20	SKIN SKIN		
AK VLEP TLV TGG VLE NDS/NDSCh TLV	HUN ITA NOR NLD PRT POL ROU	36 36 36 36 36 36 36 36 35		10 10 10 10 10 10	72 72 72 72 72 72 72 72 72 72		20 20 20 20	SKIN SKIN		



Conforms to Reg. (EU) 878/2020

ssued on 31/10/2018		
Revision n° 4		
Rev. Date 23/01/2025		
Page		
8 of 17		

OEL	EU	36	10 72	20	
TLV-ACGIH		71	20	SKIN	

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 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 I 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.

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

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

<b>Properties</b> Appearance Colour Odour Melting point / freezing point	<b>Value</b> liquid white characteristic 0 °C	Information Temperature: 20 °C Temperature: 20 °C Method: internal Method: literature data Substance: WATER
Initial boiling point	100 °C	Method: literature data Substance: WATER
		Initial boiling point: 100 °C
Flammability	not available	Reason for missing data: The



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018
Revision n° 4
Rev. Date 23/01/2025
Page
9 of 17

Lower explosive limit	not available	substance/mixture is not flammable Reason for missing data: This property is not relevant to the safety and classification of this
Upper explosive limit	not available	product. Reason for missing data: This property is not relevant to the safety and classification of this product.
Flash point	not available	Reason for missing data: The
Auto-ignition temperature	not available	substance/mixture is not flammable Reason for missing data: This property is not relevant to the safety and classification of this product.
Decomposition temperature	not available	Reason for missing data: It only applies to authoritative substances and mixtures, organic peroxides and other substances and
рН	8,5-9,5	mixtures that they can decompose Method: internal method Concentration: 100 %
		Temperature: 20 °C
Kinematic viscosity Solubility	$250 \pm 50$ soluble in water	Method: internal Method: internal Temperature: 20 °C
Partition coefficient: n-octanol/water	not available	Reason for missing data: does not apply to inorganic and ionic liquids and, as a rule, it does not apply to blends
Vapour pressure	0,02 Atm	Method: literature data Substance: WATER
		Vapour pressure: 17,5 mmHg
		Temperature: 20 °C
Density and/or relative density Relative vapour density	1,016 0,0006	Method: internal Method: Literature data Remark: kg/dm3
		Substance: WATER
Particle characteristics Median equivalent diameter Remark:	It only applies to solids	
Size distribution Remark:	It only applies to solids	
Dustiness Remark:	It only applies to solids	
Specific surface area Remark: Shape	It only applies to solids	
Remark:	It only applies to solids	
9.2. Other information		
9.2.1. Information with regard to physical haza	ard classes	
Information not available		
9.2.2. Other safety characteristics		
Explosive properties	not available	Reason for missing data: Absent chemical groups associated with explosive properties in accordance with the provisions of Annex I, Part 2, chap. 2.1.4.3 of Reg. (EC) 1272/2008



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018
Revision nº 4
Rev. Date 23/01/2025
Page
10 of 17

Oxidising properties

not available

- CLP Reason for missing data: Absent requirements related to the presence of atoms or chemical bonds associated with oxidizing properties in the molecules of the components according to Annex I, Part 2, 2.13.4 Reg. (CE) 1272/2008

# **SECTION 10. Stability and reactivity**

#### 10.1. Reactivity

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

bronopol (INN) Decomposes on contact with: water, metals, strong bases.

MORPHOLINE On contact with: strong oxidising agents, reducing agents, strong acids, strong bases. May develop: heat.

#### 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.

bronopol (INN) Avoid exposure to: light, UV rays, moisture.

#### 10.5. Incompatible materials

Information not available

#### 10.6. Hazardous decomposition products

bronopol (INN) May develop: nitric oxide, carbon oxides, hydrobromic acid.

# **SECTION 11. Toxicological information**

### 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 Information not available Delayed and immediate effects as well as chronic effects from short and long-term exposure



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page 11 Of 17

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:	Not classified (no significant component) >2000 mg/kg Not classified (no significant component)
BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUN LD50 (Dermal): LD50 (Oral):	/I SALTS > 2000 mg/kg rat 1080 mg/kg rat
ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLAT LD50 (Dermal): LD50 (Oral):	ED > 2000 mg/kg rabbit > 300 mg/kg rat
ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM S LD50 (Dermal): LD50 (Oral):	GALTS > 2000 mg/kg rat > 2000 mg/kg rat
bronopol (INN) LD50 (Dermal): ATE (Dermal):	> 2000 mg/kg bw rat 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LD50 (Oral): LC50 (Inhalation mists/powders):	254 mg/kg Male Rat > 0,588 mg/l air/4h rat
1,2-benzisothiazol-3(2H)-one LD50 (Oral): LC50 (Inhalation mists/powders):	450 mg/kg 0,21 mg/l
MORPHOLINE LD50 (Dermal): ATE (Dermal):	500 mg/kg Rabbit 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LD50 (Oral): LC50 (Inhalation vapours):	1050 mg/kg Rat 35,1 mg/l/1h Rat
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 May produce an allergic reaction.	
Contains: 1,2-benzisothiazol-3(2H)-one <u>GERM CELL MUTAGENICITY</u> 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 <u>STOT - SINGLE EXPOSURE</u> Does not meet the classification criteria for this hazard class <u>STOT - REPEATED EXPOSURE</u> Does not meet the classification criteria for this hazard class	
ASPIRATION HAZARD Does not meet the classification criteria for this hazard class	



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page 12 of 17

#### 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

ALCOHOLS, C12-13, BRANCHED AND LINEAR, ETHOXYLATED	
EC50 - for Algae / Aquatic Plants	> 1 mg/l/72h Desmodesmus subspicatus
EC10 for Crustacea	> 0,1 mg/l Daphnia magna
bronopol (INN)	
LC50 - for Fish	35,7 mg/l/96 d Lepomis macrochirus
EC50 - for Crustacea	0,27 mg/l/21 d Daphnia magna
EC50 - for Algae / Aquatic Plants	0,25 mg/l/72h Skeletonema costatum
Chronic NOEC for Fish	> 20 mg/l/96 h Lepomis macrochirus
Chronic NOEC for Crustacea	0,27 mg/l/21 d Daphnia magna
Chronic NOEC for Algae / Aquatic Plants	0,08 mg/l/72 h Skeletonema costatum
BENZENESULFONIC ACID, C10-13-ALKYL	
DERIVS., SODIUM SALTS LC50 - for Fish	1,67 mg/l/96h
EC50 - for Crustacea	2,9 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,91 mg/l/72h
Chronic NOEC for Fish	0,23 mg/l 72d
Chronic NOEC for Crustacea	0,5 mg/l 7d
Chronic NOEC for Algae / Aquatic Plants	0,5 mg/l 96h
ALCOHOLS, C12-14, ETHOXYLATED,	
SULFATES, SODIUM SALTS LC50 - for Fish	> 1 mg/l/96h Danio rerio
EC50 - for Crustacea	7,2 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	27 mg/l/72h Desmodesmus subspicatus
Chronic NOEC for Fish	0,14 mg/l 28d Oncorhynchus mykiss
Chronic NOEC for Crustacea	0,18 mg/l 21d Daphnia magna
Chronic NOEC for Algae / Aquatic Plants	0,93 mg/l Desmodesmus subspicatus
12.2. Persistence and degradability	
MORPHOLINE	
Solubility in water	1000 - 10000 mg/l

ALCOHOLS, C12-13, BRANCHED AND



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page 13 of 17

Rapi bron	AR, ETHOXYLATED dly degradable opol (INN) pility in water	286000 mg/l
BEN DERI Rapi ALC SULF Rapi	dly degradable ZENESULFONIC ACID, C10-13-ALKYL VS., SODIUM SALTS dly degradable DHOLS, C12-14, ETHOXYLATED, ATES, SODIUM SALTS dly degradable <b>bioaccumulative potential</b>	
MOF	PHOLINE	
Parti	tion coefficient: n-octanol/water	-2,55
BCF		< 0,65
	opol (INN)	
	tion coefficient: n-octanol/water	0,22
BCF		3,16
	ZENESULFONIC ACID, C10-13-ALKYL VS., SODIUM SALTS	159
12.4. N	lobility in soil	
MOF	PHOLINE	
Parti	tion coefficient: soil/water	-0,6196
LINE	DHOLS, C12-13, BRANCHED AND AR, ETHOXYLATED tion coefficient: soil/water	3,69
bron	opol (INN)	
Parti	tion coefficient: soil/water	1,56 Soil 4: clay loam
SULF	DHOLS, C12-14, ETHOXYLATED, ATES, SODIUM SALTS tion coefficient: soil/water	0,34
12.5. F	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



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page

14 of 17

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

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



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018
Revision n° 4
Rev. Date 23/01/2025
Page
15 of 17

#### 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 3 - 40 Point Contained substance 75 Point Regulation (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 ≥ 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. Regulation (EC) No. 648/2004 Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### 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:

Flam. Liq. 3	Flammable liquid, category 3
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018 Revision n° 4 Rev. Date 23/01/2025 Page 16 of 17

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. 1A	Skin sensitization, category 1A
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
H226	Flammable liquid and vapour.
H330	Fatal if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
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
- 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
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds



Conforms to Reg. (EU) 878/2020

Issued on 31/10/2018 Revision nº 4 Rev. Date 23/01/2025 Page 17 of 17

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
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 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
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- 23. Delegated Regulation (UE) 2023/707
- 24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
- 25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
- 26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
- 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
- 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.

Classified based on the results of the ICE-PH-15/0339 study

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 08 / 09 / 11 / 12 / 13 / 15 / 16.