



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830

SAFETY DATA SHEET

Sterox (Tablets)

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

1.1 Product identifier

Product name : Sterox (Tablets)
Product code : 61013
Product description : Not available.
Product type : Solid.

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

Restricted to professional users.

Material uses : Water treatment agent.

1.3 Details of the supplier of the safety data sheet

Supplier : **Fernox**
2 Genesis Business Park
Albert Drive
Sheerwater
Woking GU21 5RW

Information contact : +44 (0) 330 100 7750
+44 (0) 330 100 7751
europeanregulatory@macdermid.com

1.4 Emergency telephone number

Supplier

Telephone number : +44 (0) 330 100 7750
Hours of operation : 24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Acute Tox. 4, H302

Eye Irrit. 2, H319

STOT SE 3, H335

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

**Ingredients of unknown
toxicity** :

Date of issue/Date of revision : 30.11.2016

A MacDermid Performance Solutions Business
A Platform Specialty Products Company 

SECTION 2: Hazards identification

Ingredients of unknown ecotoxicity :

Classification according to Directive 1999/45/EC [DPD]

Europe

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xn; R22
Xi; R36/37
R31
N; R50/53

Human health hazards : Harmful if swallowed. Irritating to eyes and respiratory system. Contact with acids liberates toxic gas.

Environmental hazards : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : Harmful if swallowed.
Causes serious eye irritation.
May cause respiratory irritation.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention : Wear eye or face protection: Recommended: safety glasses with side-shields .
Avoid release to the environment. Avoid breathing dust.

Response : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous ingredients : troclosen sodium

Supplemental label elements : Not applicable.

2.3 Other hazards



Sterox (Tablets)

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SECTION 2: Hazards identification

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

Substance/mixture : Mixture

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Europe					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1]
Austria					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1]
Belgium					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61	Repr. 1B, H360FD (Fertility and Unborn child)	[1] [2]



SECTION 3: Composition/information on ingredients

Bulgaria					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	See Section 16 for the full text of the R-phrases declared above.	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61	See Section 16 for the full text of the R-phrases declared above.	[1] [2]
Croatia					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	See Section 16 for the full text of the R-phrases declared above.	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61	See Section 16 for the full text of the R-phrases declared above.	[1] [2]
Czech Republic					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	See Section 16 for the full text of the R-phrases declared above.	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61	See Section 16 for the full text of the R-phrases declared above.	[1]
Denmark					
				See Section 16 for the full text of the R-phrases declared above.	



SECTION 3: Composition/information on ingredients

troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.
Estonia					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.
Finland					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.
France					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25	≥1 - <3	Repr. Cat. 2; R60, R61	Repr. 1B, H360FD (Fertility and Unborn child)

SECTION 3: Composition/information on ingredients

	EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2			child)	
Germany			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22	Acute Tox. 4, H302	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Xi; R36/37 R31 N; R50/53 Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1] [2]
Greece					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22	Acute Tox. 4, H302	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Xi; R36/37 R31 N; R50/53 Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1]
Hungary					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22	Acute Tox. 4, H302	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Xi; R36/37 R31 N; R50/53 Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1]

SECTION 3: Composition/information on ingredients

Ireland					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1]
Italy					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1]
Latvia					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1] [2]
Lithuania					

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troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.
Netherlands					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.
Norway					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.
Poland					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25	≥1 - <3	Repr. Cat. 2; R60, R61	Repr. 1B, H360FD (Fertility and Unborn child)



SECTION 3: Composition/information on ingredients

	EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2			child)	
Portugal			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22	Acute Tox. 4, H302	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Xi; R36/37 R31 N; R50/53 Repr. Cat. 2; R60, R61	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Repr. 1B, H360FD (Fertility and Unborn child)	[1] [2]
Romania			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22	Acute Tox. 4, H302	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Xi; R36/37 R31 N; R50/53 Repr. Cat. 2; R60, R61	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Repr. 1B, H360FD (Fertility and Unborn child)	[1]
Slovakia			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22	Acute Tox. 4, H302	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Xi; R36/37 R31 N; R50/53 Repr. Cat. 2; R60, R61	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Repr. 1B, H360FD (Fertility and Unborn child)	[1]
			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	

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SECTION 3: Composition/information on ingredients

Slovenia					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1]
Spain					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1] [2]
Sweden					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.	[1]
Switzerland					



SECTION 3: Composition/information on ingredients

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	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.
Turkey					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.
United Kingdom (UK)					
troclosene sodium	REACH #: 01-2119489371-33 EC: 220-767-7 CAS: 2893-78-9 Index: 613-030-01-7	≥90	Xn; R22 Xi; R36/37 R31 N; R50/53	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
	boric acid	REACH #: 01-2119486683-25 EC: 233-139-2 CAS: 10043-35-3 Index: 005-007-00-2	≥1 - <3	Repr. Cat. 2; R60, R61 See Section 16 for the full text of the R-phrases declared above.	Repr. 1B, H360FD (Fertility and Unborn child) See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Type



SECTION 3: Composition/information on ingredients

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : May cause respiratory irritation.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Harmful if swallowed.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : No specific data.
- Ingestion** : No specific data.



SECTION 4: First aid measures

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds
metal oxide/oxides

5.3 Advice for firefighters

- Special precautions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

- : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up

- Small spill** : Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.



SECTION 6: Accidental release measures

- Large spill** : Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- 7.2 Conditions for safe storage, including any incompatibilities** : Store between the following temperatures: 5 to 30°C (41 to 86°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Europe No exposure limit value known.	
Austria No exposure limit value known.	
Belgium	

SECTION 8: Exposure controls/personal protection

boric acid

Bulgaria

boric acid

Croatia

No exposure limit value known.

Czech Republic

No exposure limit value known.

Denmark

No exposure limit value known.

Estonia

No exposure limit value known.

Finland

No exposure limit value known.

France

No exposure limit value known.

Germany

boric acid

Greece

No exposure limit value known.

Hungary

No exposure limit value known.

Ireland

No exposure limit value known.

Italy

No exposure limit value known.

Latvia

boric acid

Lithuania

boric acid

Netherlands

No exposure limit value known.

Norway

No exposure limit value known.

Poland

No exposure limit value known.

Portugal

boric acid

Romania

Lijst Grenswaarden / Valeurs Limites (Belgium, 4/2014).

STEL: 6 mg/m³ 15 minutes.

TWA: 2 mg/m³ 8 hours.

България Министерство на труда и социалната политика и Министерството на здравеопазването (Bulgaria, 1/2012).

Limit value 8 hours: 5 mg/m³, (as Boron) 8 hours.

TRGS900 AGW (Germany, 4/2014).

TWA: 0.5 mg/m³ 8 hours.

PEAK: 1 mg/m³ 15 minutes.

Ministru kabineta - AER (Latvia, 2/2011).

TWA: 10 mg/m³ 8 hours.

Lietuvos Higienos Normos HN 23 (Lithuania, 10/2007).

TWA: 10 mg/m³ 8 hours.

Instituto Português da Qualidade (Portugal, 3/2007).

TWA: 2 mg/m³ 8 hours. Form: inhalable fraction

STEL: 6 mg/m³ 15 minutes. Form: inhalable fraction



SECTION 8: Exposure controls/personal protection

No exposure limit value known.

Slovakia

No exposure limit value known.

Slovenia

No exposure limit value known.

Spain

boric acid

INSHT (Spain, 1/2014).

STEL: 6 mg/m³ 15 minutes.

TWA: 2 mg/m³ 8 hours.

Sweden

No exposure limit value known.

Switzerland

boric acid

SUVA (Switzerland, 1/2014).

STEL: 10 mg/m³ 15 minutes. Form: Inhalable dust (total dust)

TWA: 10 mg/m³ 8 hours. Form: Inhalable dust (total dust)

Turkey

No exposure limit value known.

United Kingdom (UK)

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived effect levels

No DELs available.

Predicted effect concentrations

No PECs available.

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Engineering controls may be required to control the primary or secondary risks associated with this product.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.



SECTION 8: Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: safety glasses with side-shields
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): disposable vinyl
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: None assigned.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: None assigned.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Solid.
- Colour** : White.
- Odour** : Characteristic.
- pH** : 6 [Conc. (% w/w): 10%]
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flash point** : Not available.
- Upper/lower flammability or explosive limits** : Not available.
- Relative density** : Not available.
- Solubility(ies)** : Easily soluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/ water** : Not available.
- Auto-ignition temperature** : Not available.
- :
- VOC content** : 0 % (w/w)

9.2 Other information



SECTION 9: Physical and chemical properties

No additional information.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Hazardous reactions or instability may occur under certain conditions of storage or use.
Conditions may include the following:
contact with acids
Reactions may include the following:
liberation of toxic gas
- 10.4 Conditions to avoid** : No specific data.
- 10.5 Incompatible materials** : Reactive or incompatible with the following materials:
acids
- 10.6 Hazardous decomposition products** : Contact with acids liberates toxic gas.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
troclosene sodium	LD50 Oral	Rat	1420 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Route	ATE value
Oral	1463.9 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
troclosene sodium	Eyes - Mild irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 10 milligrams	-
	Eyes - Severe irritant	Rabbit	-	0.1 Grams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Severe irritant	Rabbit	-	500 milligrams	-
boric acid	Skin - Mild irritant	Human	-	72 hours 15 milligrams Intermittent	-

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity



SECTION 11: Toxicological information

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
troclosene sodium	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : Not available.

Potential acute health effects

Inhalation : May cause respiratory irritation.

Ingestion : Harmful if swallowed.

Skin contact : No known significant effects or critical hazards.

Eye contact : Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing

Ingestion : No specific data.

Skin contact : No specific data.

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.



SECTION 11: Toxicological information

Fertility effects : No known significant effects or critical hazards.
Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
troclosene sodium	Acute EC50 0.11 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.217 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
boric acid	Acute LC50 84.28 mg/l Marine water	Crustaceans - Americamysis bahia - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 133000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 100 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 6000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 2100 µg/l Fresh water	Fish - Oncorhynchus mykiss	87 days

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Yes.

European waste catalogue (EWC)

Waste code	Waste designation
16 03 03*	inorganic wastes containing dangerous substances

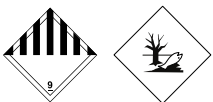
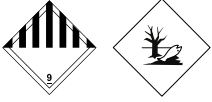
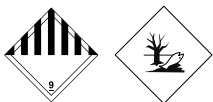
SECTION 13: Disposal considerations

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	3077	3077	3077
14.2 UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. (troclosene sodium)	Environmentally hazardous substance, solid, n.o.s. (troclosene sodium)	Environmentally hazardous substance, solid, n.o.s. (troclosene sodium)
14.3 Transport hazard class(es)	9 	9 	9 
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.
Additional information	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Tunnel code</u> E	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Emergency schedules (EmS)</u> F-A, S-F	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

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

[EU Regulation \(EC\) No. 1907/2006 \(REACH\)](#)

[Annex XIV - List of substances subject to authorisation](#)

[Substances of very high concern](#)

SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Europe inventory : All components are listed or exempted.

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
boric acid	-	-	Repr. 1B, H360D (Unborn child)	Repr. 1B, H360F (Fertility)

National regulations

[Austria](#)

[Belgium](#)

[Bulgaria](#)

[Croatia](#)

[Czech Republic](#)

[Denmark](#)

[Estonia](#)

[Finland](#)

[France](#)

[Germany](#)

Hazard class for water : 2 Appendix No. 4

[Greece](#)

[Hungary](#)

[Ireland](#)

[Italy](#)

[Latvia](#)

[Lithuania](#)

Product/ingredient name	List name	Name on list	Classification	Notes
boric acid	Lithuania Occupational Exposure Values	boro rūgštis	Repro. R	-

Netherlands

Product/ingredient name	List name	Name on list	Classification	Notes
boric acid	Netherlands Reprotoxic Chemicals	boorzuur	Repro. fertility category 2, Dev. development category 2	-

[Norway](#)

[Poland](#)

[Portugal](#)

[Romania](#)

[Slovakia](#)

[Slovenia](#)

[Spain](#)



SECTION 15: Regulatory information

Product/ingredient name	List name	Name on list	Classification	Notes
boric acid	Spain Occupational Exposure Limits for Chemical Agents	Ácido bórico	Repro. TR1B	-

[Sweden](#)

[Switzerland](#)

[Turkey](#)

[United Kingdom \(UK\)](#)

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Date of printing : 07.12.2016

Date of issue/ Date of revision : 30.11.2016

Date of previous issue : 29.11.2016

Version : 2.13

[Notice to reader](#)

☑ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

[Procedure used to derive the classification according to Regulation \(EC\) No. 1272/2008 \[CLP/GHS\]](#)

Classification	Justification
Acute Tox. 4, H302	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H335	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 1, H410	Calculation method

[Europe](#)

Full text of abbreviated H statements : H302 Harmful if swallowed.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H360FD May damage fertility. May damage the unborn child.
 (Fertility and Unborn child)
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS] : Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4
 Aquatic Acute 1, H400 ACUTE AQUATIC HAZARD - Category 1
 Aquatic Chronic 1, H410 LONG-TERM AQUATIC HAZARD - Category 1
 Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
 Repr. 1B, H360FD TOXIC TO REPRODUCTION (Fertility and Unborn child) - Category 1B
 (Fertility and Unborn child)
 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3



- Full text of abbreviated R phrases** : R60- May impair fertility.
R61- May cause harm to the unborn child.
R22- Also harmful if swallowed.
R36/37- Irritating to eyes and respiratory system.
R31- Contact with acids liberates toxic gas.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Full text of classifications [DSD/DPD]** : Repr. Cat. 2 - Toxic to reproduction category 2
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Fernox SDS CLP Europe

