

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

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

1.1 Product identifier

Trade name

KRONES colfix P 78/2

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

Relevant identified uses of the substance or mixture

Adhesive for labelling

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

KIC KRONES Internationale Cooperationsgesellschaft mbH

Böhmerwaldstraße 5

93073 Neutraubling

Telephone no. +49 9401 70-3020

Fax no. +49 9401 70-3696

e-mail kic@kic-krones.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms

-

Signal word

-

Hazard statement(s)

-

Hazard statements (EU)

EUH208

Contains dibutyl-maleate, 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

EUH210

Safety data sheet available on request.

Precautionary statement(s)

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

-

Supplemental label elements

"Restricted to professional users"

Labelling information

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

Plastic dispersion, water-based

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	disodium tetraborate, anhydrous		
	1330-43-4 215-540-4 005-011-00-4 01-2119490790-32	Eye Irrit. 2; H319 Repr. 1B; H360FD	< 2.50 %-b.w.
2	dibutyl-maleate		
	105-76-0 203-328-4 - 01-2119523581-45	Skin Sens. 1; H317 STOT RE 2; H373o Aquatic Acute 1; H400	< 2.50 %-b.w.
3	1,2-benzisothiazol-3(2H)-one		
	2634-33-5 220-120-9 613-088-00-6 -	Acute Tox. 4*; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.05 %-b.w.
4	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)		
	55965-84-9 - 613-167-00-5 01-2120764691-48	Acute Tox. 3; H301 Acute Tox. 2; H310 Acute Tox. 2; H330 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318 Skin Corr. 1C; H314 Skin Sens. 1A; H317 EUH071	< 0.0015 %-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(* , ** , *** , ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Repr. 1B; H360FD: C >= 4.5% Eye Irrit. 2; H319: C >= 10%	-	-
3	-	Skin Sens. 1; H317: C >= 0.05%	-	-
4	-	Skin Sens. 1A; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1C; H314: C >= 0.6%	M = 100	M = 100

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

	Eye Dam. 1; H318: C >= 0.6%		
No	Route, target organ, concrete effect		
2	H373o oral; -; -		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact

In case of contact with skin wash off with water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Allergic symptoms

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

All quenching (arc-extinguishing) media available.

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Toxic gases/vapours

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. High risk of slipping due to leakage/spillage of product.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep from freezing.

Recommended storage temperature

Value 10 - 30 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
List of approved workplace exposure limits (WELs) / EH40			
Disodium tetraborate, anhydrous			
	WEL long-term (8-hr TWA reference period)	1	mg/m ³

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	disodium tetraborate, anhydrous			1330-43-4 215-540-4	
	dermal	Long term (chronic)	systemic	316.4	mg/kg/day
	inhalative	Short term (acute)	local	11.7	mg/m ³
	inhalative	Long term (chronic)	local	11.7	mg/m ³
	inhalative	Long term (chronic)	systemic	6.74	mg/m ³
2	dibutyl-maleate			105-76-0 203-328-4	
	dermal	Long term (chronic)	systemic	0.42	mg/kg/day
	dermal	Long term (chronic)	local	4.12	mg/cm ²

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

inhalative	Long term (chronic)	systemic	5.28	mg/m ³
inhalative	Long term (chronic)	local	5.28	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	disodium tetraborate, anhydrous			1330-43-4 215-540-4	
	oral	Short term (acut)	systemic	0.79	mg/kg/day
	oral	Long term (chronic)	systemic	0.79	mg/kg/day
	dermal	Long term (chronic)	systemic	159.5	mg/kg/day
	inhalative	Short term (acut)	local	11.7	mg/m ³
	inhalative	Long term (chronic)	local	11.7	mg/m ³
	inhalative	Long term (chronic)	systemic	3.4	mg/m ³
2	dibutyl-maleate			105-76-0 203-328-4	
	oral	Long term (chronic)	systemic	0.25	mg/kg/day

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	disodium tetraborate, anhydrous		1330-43-4 215-540-4	
	water	fresh water	2.9	mg/L
	water	marine water	2.9	mg/L
	water	Aqua intermittent	13.7	mg/L
	soil	-	5.7	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
2	dibutyl-maleate		105-76-0 203-328-4	
	water	fresh water	0.001	mg/L
	water	marine water	0	mg/L
	water	fresh water sediment	0.031	mg/kg
	water	marine water sediment	0.003	mg/kg
	soil	-	0.006	mg/kg dry weight
	sewage treatment plant	-	4.886	mg/L
	secondary poisoning	-	6.33	mg/kg food

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator ABEK-P2

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

Appropriate Material	Polychloroprene		
Material thickness	>=	1	mm
Breakthrough time	>	30	min
Appropriate Material	natural rubber		
Material thickness	>=	1	mm
Breakthrough time	>	30	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour	
Dispersion; Viscous	
light brown	
Odour	
resinous	
Odour threshold	
No data available	
pH value	
Value	8.5 - 10.5
Reference temperature	23 °C
Boiling point / boiling range	
Value	100 °C
Reference pressure	1013 hPa
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Flash point	
Value	> 100 °C
Auto-ignition temperature	
No data available	
Oxidising properties	
No data available	
Explosive properties	
No data available	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	
No data available	
Vapour pressure	
No data available	
Vapour density	
No data available	
Evaporation rate	

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

No data available

Relative density

No data available

Density

Value	1	g/cm ³
Reference temperature	20	°C

Solubility in water

Reference temperature	20	°C
Comments	soluble	

Solubility(ies)

No data available

Partition coefficient: n-octanol/water

No	Substance name	CAS no.	EC no.
1	dibutyl-maleate	105-76-0	203-328-4
log Pow		3.39	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		

Viscosity

Value	30000 - 75000	mPa*s
Reference temperature	20	°C

9.2 Other information

Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable at ambient temperature.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
LD50	>	2500	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	dibutyl-maleate	105-76-0	203-328-4
LD50	>=	3730	mg/kg bodyweight

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

Species	rat
Method	OECD 401
Source	ECHA

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	U.S. EPA FIFRA Guidelines		
Source	ECHA		
2	dibutyl-maleate	105-76-0	203-328-4
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
LC50	>	2	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Method	OECD 403		
Source	ECHA		
2	dibutyl-maleate	105-76-0	203-328-4
LC50	>	5	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
Species	rabbit		
Method	U.S. EPA FIFRA Guidelines		
Source	ECHA		
Evaluation	non-irritant		
2	dibutyl-maleate	105-76-0	203-328-4
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
2	dibutyl-maleate	105-76-0	203-328-4
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
2	dibutyl-maleate	105-76-0	203-328-4
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	dibutyl-maleate	105-76-0	203-328-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are met.	
2	dibutyl-maleate	105-76-0	203-328-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	dibutyl-maleate	105-76-0	203-328-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are met.	

Aspiration hazard			
No data available			

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
LC50		74	mg/l

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

Duration of exposure		96	h
Species	Limanda limanda		
Method	OECD		
Source	ECHA		
2	dibutyl-maleate	105-76-0	203-328-4
LC50		0.6	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
NOEC	>=	18	mg/l
Duration of exposure		87	day(s)
Species	Oncorhynchus mykiss		
with reference to	CAS 10043-35-3		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
EC50		86	mg/l
Duration of exposure		48	h
Species	Americamysis bahia		
Source	ECHA		
2	dibutyl-maleate	105-76-0	203-328-4
EC50		21	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4
NOEC		18	mg/l
Duration of exposure		14	day(s)
Species	Daphnia magna		
with reference to	CAS 10043-35-3		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	dibutyl-maleate	105-76-0	203-328-4
EC50		6.2	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	dibutyl-maleate	105-76-0	203-328-4
Type	DOC decrease		

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

Value	95	%
Duration	19	day(s)
Method	EU C.4-B	
Source	ECHA	
Evaluation	readily biodegradable	

Abiotic Degradation			
No	Substance name	CAS no.	EC no.
1	dibutyl-maleate	105-76-0	203-328-4
Type	Hydrolysis		
Half-life	2870	h	
pH value	7		
Reference temperature	25	°C	
Method	OECD 111		
Source	ECHA		

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	dibutyl-maleate	105-76-0	203-328-4
log Pow	3.39		
Reference temperature	25	°C	
Method	OECD 117		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

The product contains following substance(s) meeting the criteria in Article 57 in association with Article 59 of the REACH regulation ((EC) 1907/2006) that are placed on the list of candidates considered for inclusion in annexe XIV (substances subject to Authorisation).

No	Substance name	CAS no.	EC no.
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	disodium tetraborate, anhydrous	1330-43-4	215-540-4	30

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

EU safety data sheet

Trade name: KRONES colfix P 78/2

Current version : 2.0.1, issued: 30.06.2020

Replaced version: 2.0.0, issued: 14.05.2020

Region: GB

H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H360FD	May damage fertility. May damage the unborn child.
H373o	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Department issuing safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 760755