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

1.1 Product identifier

Trade name

KRONES colfix S 4038

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

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

 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

EUH210

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1). May produce an allergic reaction. Safety data sheet available on request.

Precautionary statement(s)

Labelling information

EU safety data sheet

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

2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

Water-based adhesive. polyol preparation

Hazardous ingredients

	hazardous ingredients				
No	Substance name		Additional information		
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concentration	%	
	REACH no				
1	1,2-benzisothiazol-	-3(2H)-one	pls. refer to footnote (2)		
	2634-33-5	Acute Tox. 4; H302	< 0.10	wt%	
	220-120-9	Acute Tox. 2; H330			
	613-088-00-6	Skin Irrit. 2; H315			
	01-212079540-60	Skin Sens. 1; H317			
		Eye Dam. 1; H318			
		Aquatic Acute 1; H400			
		Aquatic Chronic 2; H411			
2	reaction mass of:	5-chloro-2-methyl-4-isothiazolin-3-one and 2-			
	methyl-2H -isothia:	zol-3-one (3:1)			
	55965-84-9	Acute Tox. 3; H301	< 0.0015	wt%	
	-	Acute Tox. 2; H310			
	613-167-00-5	Acute Tox. 2; H330			
	01-2120764691-48	Aquatic Acute 1; H400			
		Aquatic Chronic 1; H410			
		Eye Dam. 1; H318			
		Skin Corr. 1C; H314			
		Skin Sens. 1A; H317			
		EUH071			

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

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Skin Sens. 1; H317: C >= 0.05%	-	-
2	-	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% Eye Dam. 1; H318: C >= 0.6%	M = 100	M = 100

SECTION 4: First aid measures

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4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

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 the 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

May cause allergic reactions.

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

Extinguishing measures to suit surroundings.

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. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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. 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).

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

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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). Product will become unusable when heated to over 110°F (43°C) for extended periods of time.

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.

Advice on protection against fire and explosion

Keep away from ignition sources and provide for good ventilation.

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. Keep from freezing.

10

Recommended storage temperature

Value

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.

- 35

°C

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**

No parameters available for monitoring.

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. ABEK P2

Respirator

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.

Appropriate Material	Polychloroprene		
Material thickness	>=	1	mm
Breakthrough time	>=	480	min
Appropriate Material	Natural rubber, NR		
Material thickness	>=	1	mm
Breakthrough time	>=	480	min

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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

State of aggregation liquid			
Form/Colour			
viscous colourless; transparent			
Odour			
typical			
pH value Value Reference temperature	7.0	- 9.0 20	°C
Boiling point / boiling range No data available			
Melting point/freezing point No data available			
Decomposition temperature No data available			
Flash point Value	>	100	°C
Ignition temperature No data available			
Flammability No data available			
Lower explosion limit No data available			
Upper explosion limit No data available			
Vapour pressure No data available			
Relative vapour density No data available			
Relative density No data available			
Density No data available			
Solubility in water Comments	miscible		
Solubility No data available			
Partition coefficient n-octanol/water (log value) No data available	ue)		

Current version : 1.0.1, issued: 06.09.2021 Replaced version: 1.0.0, issued: 26.05.2021 Viscosity Value 40000 70000 mPa*s _ Reference temperature 20 °C dynamic Type Particle characteristics No data available Other information Other information No data available.

Region: GB

SECTION 10: Stability and reactivity

10.1 Reactivity

9.2

Dangerous reactions are not expected if the product is handled according to its intended use.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity
No data available
Acute dermal toxicity
No data available
Acute inhalational toxicity
No data available
Skin corrosion/irritation
No data available
Serious eye damage/irritation
No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Reproduction toxicity
No data available
Carcinogenicity
No data available
STOT - single exposure
No data available
STOT - repeated exposure
No data available

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Aspiration hazard No data available

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

 Toxicity to fish (acute)

 No data available

 Toxicity to fish (chronic)

 No data available

 Toxicity to Daphnia (acute)

 No data available

 Toxicity to Daphnia (chronic)

 No data available

 Toxicity to Daphnia (chronic)

 No data available

 Toxicity to algae (acute)

 No data available

 Toxicity to algae (acute)

 No data available

 Toxicity to algae (chronic)

 No data available

 Bacteria toxicity

 No data available

12.2 Persistence and degradability No data available.

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and VPVB assessment		
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.	
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.	

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information Do not discharge product unmonitored into the environment.

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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

Residues 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

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 Maritime transport in bulk according to IMO instruments 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

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

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

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

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

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No data available.

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.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 I	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.
H330	Fatal if inhaled.
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.

Creation of the safety data sheet

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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.

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