

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

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

1.1 Product identifier

Trade name

KRONES colfix Mega S Hot 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 packaging

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)

EUH210 Safety data sheet available on request.

Precautionary statement(s)

-

Labelling information

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

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

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

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	vinyl acetate			
	108-05-4 203-545-4 607-023-00-0 01-2119471301-50	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT SE 3; H335 Carc. 2; H351	< 2.50	wt%

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

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

After contact with molten product, cool quickly with cold water. Do not pull solidified product from skin. Call a doctor immediately.

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. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

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.

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

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.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Allow to set, pick up mechanically. When collected, handle material as described under the section heading "Disposal considerations". Avoid raising dust.

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 dust. 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.

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	Dust		
	List of approved workplace exposure limits (WELs) / EH40		
	Dust respirable		
	WEL long-term (8-hr TWA reference period)	4	mg/m ³
	Comments	see Definition 44 "Dust"	
	List of approved workplace exposure limits (WELs) / EH40		
	Dust inhalable		
	WEL long-term (8-hr TWA reference period)	10	mg/m ³
	Comments	see Definition 44 "Dust"	

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

2	vinyl acetate	108-05-4	203-545-4
2009/161/EU			
vinyl acetate			
	WEL short-term (15 min reference period)	35.2	mg/m ³ 10 ppm
	WEL long-term (8-hr TWA reference period)	17.6	mg/m ³ 5 ppm
List of approved workplace exposure limits (WELs) / EH40			
Vinyl acetate			
	WEL short-term (15 min reference period)	35.2	mg/m ³ 10 ppm
	WEL long-term (8-hr TWA reference period)	17.6	mg/m ³ 5 ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	vinyl acetate			108-05-4 203-545-4	
	dermal	Long term (chronic)	systemic	0.42	mg/kg/day
	inhalative	Short term (acut)	systemic	35.2	mg/m ³
	inhalative	Short term (acut)	local	35.2	mg/m ³
	inhalative	Long term (chronic)	systemic	17.6	mg/m ³
	inhalative	Long term (chronic)	local	17.6	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	vinyl acetate		108-05-4 203-545-4	
	water	fresh water	0.016	mg/L
	water	marine water	0.0016	mg/L
	water	Aqua intermittent	0.126	mg/L
	water	fresh water sediment	0.067	mg/kg
	water	marine water sediment	0.0067	mg/kg
	soil	-	0.0035	mg/kg
	sewage treatment plant	-	6	mg/L

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 dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified.

Respiratory filter (part): P

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 work-station 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 heat-repellent protective gloves

Other

Chemical-resistant work clothes.

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation		
solid		
Form/Colour		
solid (granulate)		
yellow		
Odour		
characteristic		
pH value		
No data available		
Boiling point / boiling range		
No data available		
Melting point/freezing point		
Value	118	°C
Decomposition temperature		
No data available		
Flash point		
Value	> 200	°C
Ignition temperature		
No data available		
Explosive properties		
The product does not have explosive properties.		
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		
Value	0.95	g/cm ³
Reference temperature	20	°C
Solubility in water		
Reference temperature	20	°C
Comments	insoluble	
Solubility		
No data available		
Partition coefficient n-octanol/water (log value)		
No	Substance name	CAS no. EC no.

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

1	vinyl acetate	108-05-4	203-545-4
log Pow			0.73
Reference temperature			25 °C
Source	ECHA		

Viscosity			
Value	1200	-	1600 mPa*s
Reference temperature			160 °C
Type	dynamic		

Solids content			
Value	100	%	

Particle characteristics			
No data available			

9.2 Other information

Other information			
No data available.			

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

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

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
LD50		3470	mg/kg bodyweight
Species	rat		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
LD50		7440	mg/kg bodyweight
Species	rabbit		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
LC50		15.8	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

Source		ECHA	
Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		non-irritant	
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		non-sensitizing	
Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
Method		OECD 453	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are met.	
STOT - single exposure			
No data available			
STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
Route of exposure		oral	
Species		mouse	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
Species		mouse	
Method		OECD 453	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Aspiration hazard			

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

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	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
NOEC		0.1598	mg/l
Duration of exposure		34	day(s)
Species	Pimephales promelas		
Method	OECD 210		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
EC50		12.6	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
EC50		12.7	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
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	vinyl acetate	108-05-4	203-545-4
Type	BOD		
Value		90	%
Duration		14	d
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
BCF		3.16	
Method		Calculation model used (Q)SAR	
Source		ECHA	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
log Pow		0.73	
Reference temperature		25 °C	
Source		ECHA	

12.4 Mobility in soil

Mobility in soil			
No	Substance name	CAS no.	EC no.
1	vinyl acetate	108-05-4	203-545-4
log Koc		1.38	
Method		QSAR	
Source		ECHA	

12.5 Results of PBT and vPvB assessment

No data available.

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.

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.

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

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.

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content	0.2	%
-------------	-----	---

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.

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 EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H225	Highly flammable liquid and vapour.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

Creation of the 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.

EU safety data sheet

Trade name: KRONES colfix Mega S Hot 2

Current version : 1.0.2, issued: 26.07.2021

Replaced version: 1.0.1, issued: 18.05.2020

Region: GB

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 760735