

# Safety Data Sheet

**Trade name:** KRONES colfix Mega T 2040

**Current version :** 1.0.0, issued: 15.06.2022

**Replaced version:** -, issued: -

**Region:** USA

## SECTION 1: Identification

### 1.1 Product identifier

**Trade name**

**KRONES colfix Mega T 2040**

### 1.2 Recommended use of the chemical and restrictions on use

**Recommended use of the chemical and restrictions on use**

Adhesive for packaging

**Restrictions on use**

No data available.

### 1.3 Details of the supplier of the safety data sheet

**Address**

KRONES INC.  
9600 SOUTH 58TH STREET  
PO BOX 321801  
Franklin

WI 53132-6241

Telephone no. 001-414-409-4000  
Fax no. 001-414-409-4140  
e-mail sales@kronesusa.com

### 1.4 Emergency phone number

+1 866 928 0789 (Toll free)

## SECTION 2: Hazard(s) identification

### 2.1 Classification of the chemical

**Classification information**

This product is not subject to classification in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication".

Classification and labelling are based on toxicological studies performed on the product (mixture).

### 2.2 Label elements

Not relevant

### 2.3 Labelling information

No data available

### 2.4 Hazards not otherwise classified (HNOC)

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	Concentration	%
1	maleic anhydride		
	108-31-6	< 1.00	%-b.w.

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

**General information**

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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**

Do not pull solidified product from skin. After contact with molten product cool quickly with cold water. Take for medical treatment.

**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. Take medical treatment.

## 4.2 Most important symptoms and effects, both acute and delayed

**Symptoms**

Coughing; headaches; sore throat; Skin irritation; reddening of the skin

## 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Extinguishing measures to suit surroundings. ABC powder; Water spray jet

**Unsuitable extinguishing media**

Full water jet

### 5.2 Specific hazards arising from the chemical

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide

### 5.3 Special protective equipment and precautions for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing. Cool closed containers exposed to fire with water.

## 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. Exclude sources of ignition and ventilate the area.

**For emergency responders**

Personal protective equipment (PPE) - see Section 8.

### 6.2 Methods and materials 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.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Precautions for safe handling**

Risks inherent to handling the product must be minimised by applying 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 of working 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. Provide eye wash fountain in work area.

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## Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Take precautionary measures against static charges. Use explosion-proof equipment/fittings and non-sparking tools.

## 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.

### Recommended storage temperature

Value 5 - 30 °C

### Storage stability

Value max. 24 months

### Requirements for storage rooms and vessels

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

### Incompatible products

Substances to be avoided: see chapter 10.

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Occupational exposure limit(s)

No	Substance name	CAS no.
1	maleic anhydride	108-31-6
ACGIH Threshold Limit Values		
Maleic anhydride		
	TWA	0,01 (IFV) mg/m <sup>3</sup>
	Remarks	DSEN; RSEN; A4
OSHA Permissible Exposure Limits (PELS)		
Maleic anhydride		
	TWA	1 mg/m <sup>3</sup> 0.25 ppm

### 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 PEL (=Permissible Exposure Limit), suitable respiratory protection must be worn.

#### Individual protection measures, such as 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.

##### Eye / face protection

Safety glasses with side protection shield

##### Hand protection

Sufficient protection is given wearing suitable protective gloves in the event of risk of skin contact with the product. Before use, the protective glove 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.

##### Other protection measures

Chemical-resistant work clothes.

## SECTION 9: Physical and chemical properties

Form/Color
solid
white

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<b>Odor</b>			
No data available			
<b>Odor threshold</b>			
No data available			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
No data available			
<b>Melting point / melting range</b>			
No data available			
<b>Decomposition point / decomposition range</b>			
No data available			
<b>Flash point</b>			
No data available			
<b>Auto-ignition temperature</b>			
Value		475	°C
<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
No data available			
<b>Flammability</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
No data available			
<b>Upper flammability or explosive limits</b>			
No data available			
<b>Vapor pressure</b>			
Value	<	300	kPa
<b>Vapor density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
Value		0.92	
Reference temperature		20	°C
<b>Density</b>			
Value		1	kg/m <sup>3</sup>
Reference temperature		20	°C
<b>Solubility in water</b>			
No data available			
<b>Solubility(ies)</b>			
No data available			
<b>Partition coefficient: n-octanol/water</b>			
No data available			
<b>Viscosity</b>			
Value	appr.	800	Pa*s
Reference temperature		140	°C
Type	dynamic		
Method	ASTM D 3236		

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## 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

strong acids; strong bases

### 10.6 Hazardous decomposition products

No data available.

## SECTION 11: Toxicological information

### Information on toxicological effects

#### 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	Product name
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1	KRONES colfix Mega T 2040
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Route of exposure	Skin
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Source	supplier
--------	----------

Evaluation	non-sensitizing
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Route of exposure	respiratory tract
-------------------	-------------------

Source	supplier
--------	----------

Evaluation	non-sensitizing
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#### Germ cell mutagenicity

No data available

#### Reproduction toxicity

No data available

#### Carcinogenicity

No data available

#### NTP Report on Carcinogens (RoC)

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According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).

## **OSHA Standards listing cancer as a health effect (Table VII.6.2)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as carcinogenic.

## **IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) classified by the IARC Monographs.

## **STOT - single exposure**

No data available

## **STOT - repeated exposure**

No data available

## **Aspiration hazard**

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 algae (acute)**

No data available

#### **Toxicity to algae (chronic)**

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 Other adverse effects**

No data available.

### **12.6 Other information**

#### **Other information**

Do not discharge product unmonitored into the environment.

## **SECTION 13: Disposal considerations**

### **13.1 Disposal considerations**

#### **Product**

Dispose in accordance with federal, state and local regulations.

#### **Packaging**

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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 accordance with federal, state and local regulations.

## SECTION 14: Transport information

### 14.1 US DOT (Department of Transportation)

The product is not subject to DOT 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, pls. 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 73/78 and the IBC Code

Not relevant

## SECTION 15: Regulatory information

### 15.1 US Federal Regulations

#### Toxic Substances Control Act (TSCA)

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

#### CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

The product contains following substance(s) that are considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities"

No	Substance name	CAS no.
1	maleic anhydride	108-31-6

#### Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)

The product contains following substance(s) that are considered being "Hazardous Air Pollutants".

No	Substance name	CAS no.
1	maleic anhydride	108-31-6

#### Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	maleic anhydride	108-31-6

#### EPCRA SARA Section 313, Toxic Chemical Release Inventory

The product contains following substance(s) that are considered being subject to "SARA Reporting".

No	Substance name	CAS no.
1	maleic anhydride	108-31-6

#### Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to reporting requirements.

#### Clean Air Act (CAA) - Section 602 Ozone depleting substances

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as ozone depleting substance.

### 15.2 US State Regulations

#### Pennsylvania State Right to Know Hazardous Substance List

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The product contains following substance(s) that are considered to be "Hazardous Substances".		
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>
1	maleic anhydride	108-31-6
<b>New Jersey State Right to Know Hazardous Substance List</b>		
The product contains following substance(s) that are considered to be "Hazardous Substances".		
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>
1	maleic anhydride	108-31-6
<b>Massachusetts State Right to Know Hazardous Substance List</b>		
The product contains following substance(s) that are considered to be "Hazardous Substances".		
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>
1	maleic anhydride	108-31-6
<b>California Code of Regulations Title 8 §339, Hazardous Substances List</b>		
The product contains following substance(s) that are considered to be "Hazardous Substances".		
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>
1	maleic anhydride	108-31-6
<b>Right to Know - California State - Proposition 65</b>		
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".		

## SECTION 16: Other information, including date of preparation or last revision

### 16.1 Other information

No data available.

### 16.2 Date of preparation/revision of the SDS

Current version	1.0.0	15.06.2022
Replaced version	-	-

### 16.3 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

### 16.4 Conclusions

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.

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Prod-ID 760740

### 16.5 Key / Legend



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ACGIH - American Conference of Governmental Industrial Hygienists  
ATE – Acute Toxicity Estimate  
BOD - Biochemical Oxygen Demand  
CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania  
CAS - Chemical Abstracts Service  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
CFR - Code of Federal Regulations (US)  
CLP - Classification, Labelling, and Packaging  
DOT - Department of Transportation Commission  
ECHA – European Chemicals Agency  
EC / EL – Effective Concentration / Effective Loading  
EPA - Environmental Protection Agency  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IBC – Intermediate Bulk Container  
ICAO - International Civil Aviation Organization  
IDL - Ingredient Disclosure List  
IDLH - Immediately Dangerous to Life and Health  
IMDG - International Maritime Dangerous Goods  
IUCLID - International Uniform Chemical Information Database  
Kow - Octanol/water partition coefficient  
LD/LC - Lethal Dose/ Lethal Concentration  
MARPOL – Marine Pollution  
MEL - Maximum Exposure Limits  
NFPA - National Fire Protection Agency  
NIOSH - National Institute for Occupational Safety and Health  
NJTSR - New Jersey Trade Secret Registry  
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration  
PEL- Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short-term Exposure Limit  
STOT – Specific Target Organ Toxicity  
TDG - Transportation of Dangerous Goods  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
UN/NA - United Nations /North American  
US - United States  
VLE - Exposure Limit Value (Mexico)  
VOC – Volatile Organic Compounds