

# KRONES colfix HM 4343/1

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 4/6/2018 Revision date: 4/6/2018 Version: 7.00

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

#### 1.1. Product identifier

Trade name : KRONES colfix HM 4343/1

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Labelling or packaging adhesives

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

KIC KRONES Internationale Cooperationsgesellschaft mbH  
Böhmerwaldstraße 5  
93073 Neutraubling  
T +49 9401 70-3020 - F +49 9401 70-3696  
[kic@kic-krones.de](mailto:kic@kic-krones.de) - [www.kic-krones.com](http://www.kic-krones.com)

##### Email competent person

sds@kft.de

#### 1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incidents  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Other hazards not contributing to the classification : The melted product adheres to the skin and causes burns.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
White mineral oil	(CAS-No.) 8042-47-5 (EC-No.) 232-455-8 (REACH-no)	1 - 3	Asp. Tox. 1, H304

Full text of H-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: No specific measures are necessary.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Thermal burns : After contact with the molten product, cool rapidly with cold water. Do not pull solidified product away from the skin.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Do not induce vomiting. Rinse mouth. Drink plenty of water.

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

No additional information available

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Strong water jet.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Hydrocarbons. acetic acid.
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#### 5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Spilled material may present a slipping hazard.
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##### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area.
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##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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#### 6.2. Environmental precautions

Do not allow into drains or water courses.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: If melted: allow liquid to solidify before taking it up. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information	: Disposal must be done according to official regulations.

#### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Heated product causes burns.
Hygiene measures	: Do not eat, drink or smoke when using this product. Remove contaminated clothes. Avoid contact with skin and eyes. Hand protection : skin cream may be used. Wash hands before breaks and after work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep cool. Product must only be kept in the original packaging. Store in a well-ventilated place. Keep container tightly closed. Store in a dry place.
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Storage temperature	: 5 - 50 °C
Information about storage in one common storage facility	: Keep away from food, drink and animal feeding stuffs. Do not store with: oxidizing materials.
Storage area	: Keep away from heat and direct sunlight.

**7.3. Specific end use(s)**  
adhesives.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limit values for the other components

vinyl acetate (108-05-4)			
EU	Local name	Vinyl acetate	
EU	IOELV TWA (mg/m <sup>3</sup> )	17.6 mg/m <sup>3</sup>	
EU	IOELV TWA (ppm)	5 ppm	
EU	IOELV STEL (mg/m <sup>3</sup> )	35.2 mg/m <sup>3</sup>	
EU	IOELV STEL (ppm)	10 ppm	
EU	Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU	
United Kingdom	Local name	Vinyl acetate	
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	17.6 mg/m <sup>3</sup>	
United Kingdom	WEL TWA (ppm)	5 ppm	
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	35.2 mg/m <sup>3</sup>	
United Kingdom	WEL STEL (ppm)	10 ppm	
United Kingdom	Regulatory reference	EH40. HSE	

White mineral oil (8042-47-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	220 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	160 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	40 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	35 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	93 mg/kg bodyweight/day

Additional information : Observe general threshold limit for dust.

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Hand protection:

Heat resistant gloves. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

##### Eye protection:

Chemical goggles. EN 166

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143. Short term exposure. Filter type: A.

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### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Avoid contact with skin and eyes.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: white.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 100 - 110 °C
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: > 200 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 1 (20 °C)
Solubility	: Water: Insoluble
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: ≈ 350 - 500 mPa.s (Brookfield RVT; 140 °C)
Explosive properties	: No data available
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

### 9.2. Other information

VOC content : 3 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : Acetic acid.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

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<b>White mineral oil (8042-47-5)</b>	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 method)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5 mg/l/4h (OECD 403 method)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

<b>White mineral oil (8042-47-5)</b>	
NOAEL (oral, rat, 90 days)	> 1900 mg/kg bodyweight/day (ep. (OECD 408 method))
NOAEL (dermal, rat/rabbit, 90 days)	> 2000 mg/kg bodyweight/day (OECD 411 method)
Aspiration hazard	: Not classified (Not relevant)

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)

<b>White mineral oil (8042-47-5)</b>	
LC50 fish 1	> 10000 mg/l (96 h; <i>Leuciscus idus</i> (golden orfe); eq. (OECD 203 method))
EC50 Daphnia 1	> 100 mg/l (48 h; <i>Daphnia magna</i> ; (OECD 202 method))
NOEC chronic crustacea	10 mg/l (21 d; <i>Daphnia magna</i> ; (OECD 211 method))
NOEC chronic algae	> 100 mg/l (72 h; <i>Pseudokirchneriella subcapitata</i> ; (OECD 201 method))

### 12.2. Persistence and degradability

<b>KRONES colfix HM 4343/1</b>	
Persistence and degradability	No additional information available.

<b>White mineral oil (8042-47-5)</b>	
Persistence and degradability	Inherently biodegradable.
Biodegradation	31 % (28 d; (OECD 301F method))

### 12.3. Bioaccumulative potential

<b>KRONES colfix HM 4343/1</b>	
Bioaccumulative potential	No additional information available.

<b>White mineral oil (8042-47-5)</b>	
Log Kow	> 6

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

<b>KRONES colfix HM 4343/1</b>	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

Component	
White mineral oil (8042-47-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Entrust the uncontaminated packaging to a licensed waste contractor. Do not re-use empty containers without proper cleaning or reconditioning.

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European List of Waste (LoW) code : 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09  
08 04 99 - wastes not otherwise specified  
15 01 01 - paper and cardboard packaging  
15 01 02 - plastic packaging  
15 01 04 - metallic packaging

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### 14.6. Special precautions for user

##### - Overland transport

Not applicable

##### - Transport by sea

Not applicable

##### - Air transport

Not applicable

##### - Inland waterway transport

Not applicable

##### - Rail transport

Not applicable

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

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

White mineral oil

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 3 %

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Indication of changes:

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General revision.

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Information provided by the manufacturer. MSDS of the supplier.

Department issuing data specification sheet: : KFT Chemieservice GmbH  
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Contact person : Dr. Dagmar Hofmann

Full text of H- and EUH-statements:

Asp. Tox. 1	Aspiration hazard, Category 1
H304	May be fatal if swallowed and enters airways.
EUH210	Safety data sheet available on request.

KFT SDS EU 00

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*