

KRONES colfix S 9004

Safety Data Sheet

according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

Date of issue: 11/29/2018

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Version: 6.00

SECTION 1: Identification

1.1. Identification

Trade name : KRONES colfix S 9004

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Labelling or packaging adhesives

1.3. Supplier

Manufacturer/Supplier

KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling,
T +49 9401 70-3020 - F +49 9401 70-3696
kic@kic-krones.com - www.kic-krones.com

Importer

Krones Inc.
9600 South 58th Street
53132-6241 Franklin, - USA
T +1 414 4 09-4000 - F +1 414 4 09-4100
adhesives@kronesusa.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: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5	0.005 - 0.05	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Take off contaminated clothing and wash it before reuse.
First-aid measures after inhalation : No specific measures are necessary.
First-aid measures after skin contact : Wash skin with plenty of water. Get medical advice if skin irritation persists.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

KRONES colfix S 9004

Safety Data Sheet

according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

First-aid measures after ingestion : Rinse mouth. Drink plenty of water. Seek immediate medical advice.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Making extinguishing agents environment-friendly.

Unsuitable extinguishing media : Strong water jet.

5.2. Specific hazards arising from the chemical

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

5.3. Special protective equipment and precautions for fire-fighters

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

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

Emergency procedures : Ventilate spillage area. Spill area may be slippery.

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".

6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Absorb remaining liquid with sand or inert absorbent and remove to safe place.

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.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Hand protection : skin cream may be used. Avoid contact with skin and eyes. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Protect against frost. Store in a well-ventilated place. Keep cool. Store in a dry place.

Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs. Do not store with: oxidizing materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,2-benzisothiazol-3(2H)-one (2634-33-5)

Not applicable

KRONES colfix S 9004

Safety Data Sheet

according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

In case of repeated or prolonged contact wear 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

Type	Material	Permeation	Thickness (mm)	Permeation
Chemically resistant protective gloves	butyl rubber	5 (> 240 minutes)	-	No additional information available

Eye protection:

Chemical goggles. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Not required for normal conditions of use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Beige
Odor : weak characteristic
Odor threshold : No data available
pH : 7 - 9 (20 °C, ISO 976)
Melting point : No data available
Freezing point : No data available
Boiling point : ≈ 100 °C (1013hPa)
Flash point : Not applicable
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : Not applicable
Vapor pressure : ≈ 2.3 kPa (20°C)
Relative vapor density at 20 °C : No data available
Relative density : No data available
Specific gravity / density : ≈ 1 - 1.2 g/cm³ (20 °C)
Solubility : Water: Miscible
Log Pow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : > 50000 mPa·s (ISO 2555, 20°C)
Explosion limits : No data available
Explosive properties : No data available
Oxidizing properties : Non oxidizing material.

9.2. Other information

VOC content : < 3 %
Bulk density : Not applicable

KRONES colfix S 9004

Safety Data Sheet

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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. Reacts with oxidants.

10.4. Conditions to avoid

No additional information available

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.

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)

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LD50 oral rat	670 - 784 mg/kg body weight (EPA Guideline)
LD50 dermal rat	> 5000 mg/kg body weight (EPA OPP 81-2)
ATE US (oral)	670 mg/kg body weight

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7 - 9 (20 °C, ISO 976)

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7 - 9 (20 °C, ISO 976)

Respiratory or skin sensitization : 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)

Specific target organ toxicity – single exposure : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity – repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified
(Based on available data, the classification criteria are not met)

Viscosity, kinematic : No data available

SECTION 12: Ecological information

12.1. Toxicity

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LC50 fish 1	2.18 mg/l (96h; Onchorhynchus mykiss, OECD 203)
EC50 Daphnia 1	2.94 mg/l (48h; Daphnia magna; OECD 202)
LC50 fish 2	0.8 mg/l (96h; Onchorhynchus mykiss)
EC50 Daphnia 2	1.05 mg/l (48h; Daphnia magna; OECD 202)

12.2. Persistence and degradability

KRONES colfix S 9004	
Persistence and degradability	Biodegradable.

KRONES colfix S 9004

Safety Data Sheet

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12.3. Bioaccumulative potential

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
BCF fish 1	6.95 (OECD 305 method)
Log Kow	0.7 (OECD 117 method)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
- Waste treatment methods : Disposal must be done according to official regulations. 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.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

KRONES colfix S 9004

Safety Data Sheet

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SECTION 16: Other information

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Data sources : Information provided by the manufacturer.
Department issuing data specification sheet: : KFT Chemieservice GmbH
Im Leuschnerpark. 3 64347 Griesheim
Postfach 1451 64345 Griesheim
Germany
Phone: +49 6155-8981-400 Fax: +49 6155 8981-500
Safety Data Sheet Service: +49 6155 8981-522
Contact person : Dr. Dagmar Hofmann
Other information : Version/s 1.00-5.00 is/are not available in this language.

Full text of H-phrases:

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

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

KRONES colfix S 9004

Safety Data Sheet

according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

KFT SDS US 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