

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.04.2018

Version number 1

Revision: 25.04.2018

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

1.1 Product identifier

Trade name **Kiesoton**

Article number: **KIESON-0000**

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

No further relevant information available.

Application of the substance / the mixture

Solvents

Industrial / commercial use

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Kiesewetter GmbH...und die Chemie stimmt

Maybachstr. 8b

51381 Leverkusen

Tel.: +49 (0) 2171 9128055

Fax: +49 (0) 2171 9128054

Web: www.kieserol.de

Email: info@kieserol.de

Informing department: General Manager

1.4 Emergency telephone number:

Medical Emergency information in case of poisoning:

Poison Information Center Mainz - 24h - Phone: +49 (0) 6131 19240 (advisory service in German or English language)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

EUH210 Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Solvent mixture.

(Contd. on page 2)

— GB —

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.04.2018


Version number 1

Revision: 25.04.2018

Trade name Kiesoton

(Contd. of page 1)

Dangerous components:

CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate	 Flam. Liq. 3, H226	10-25%
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Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: Change contaminated clothing

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact

Rinse with warm water.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for 15 minutes under running water.

In case of persistent symptoms consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Information for doctor

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide may be evolved if incomplete combustion occurs. Not classified as flammable but will burn.

Can be released in case of fire:
organic decomposition products

5.3 Advice for firefighters

Protective equipment:

See section 8.

Wear full protective suit with self-contained breathing apparatus.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

(Contd. on page 3)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.04.2018

Version number 1

Revision: 25.04.2018

Trade name Kiesoton

(Contd. of page 2)

Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment and keep unprotected persons away.

Ensure adequate ventilation

6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

If large amounts are released, the authorities must be informed.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Contaminated material has to be disposed as waste (see item 13).

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Danger of burning is possible

SECTION 7: Handling and storage

7.1 Precautions for safe handling

The usual good standards of industrial hygiene should be maintained.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic sparks.

Pay attention to general rules of internal fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed. Store in cool, dry conditions.

Requirements to be met by storerooms and containers:

Suitable material for containers and conduit: steel or stainless steel.

Information about storage in one common storage facility:

Pay attention to regulations / technical guidelines on mixed storage of flammable liquids.

Further information about storage conditions: Protect from heat and direct sunlight.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

CAS: 108-65-6 2-methoxy-1-methylethyl acetate (10-25%)

WEL	Short-term value: 548 mg/m ³ , 100 ppm
	Long-term value: 274 mg/m ³ , 50 ppm
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(Contd. on page 4)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.04.2018

Version number 1

Revision: 25.04.2018

Trade name Kiesoton

(Contd. of page 3)

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from food, beverages and fodder.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

Breathing equipment:

Not necessary if room is well-ventilated.

Use breathing protection only when aerosol or mist is formed.

Recommended filter device for short term use: Filter A

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butylrubber, BR, recommended thickness of the material: ≥ 0.7 mm, penetration time: ≥ 480 min.

Nitrile rubber, NBR, recommended thickness of the material: ≥ 0.4 mm, penetration time: ≥ 480 min.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Note information regarding permeation rate, penetration times and the degradation supplied by the manufacturer of gloves just as workplace-specific conditions.

Eye protection: Safety glasses

Body protection:

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Colourless
Smell:	Characteristic
Odour threshold:	Not determined.

pH-value: not applicable

Change in condition

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	> 140 °C

Flash point: ca. 67-68 °C

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2018

Version number 1

Revision: 25.04.2018

Trade name Kiesoton

(Contd. of page 4)

Inflammability (solid, gaseous)	Not applicable.
Ignition temperature:	315 °C
Decomposition temperature:	Not determined.
Self-inflammability:	Product is not selfigniting.
Explosive properties:	Product is not potentially explosive
Critical values for explosion:	
Lower:	1.5 Vol %
Upper:	12.7 Vol %
Vapour pressure:	Not determined.
Density at 20 °C	1.038 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

To avoid thermal decomposition do not overheat.

To avoid: warmth, flames, sparks

10.3 Possibility of hazardous reactions

Reacts with strong oxidizing agents

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials:

strong oxidizing agents

alkalies

Acids

10.6 Hazardous decomposition products:

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

(Contd. on page 6)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.04.2018

Version number 1

Revision: 25.04.2018

Trade name Kiesoton

(Contd. of page 5)

Additional information:

Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability The product is readily biodegradable.

12.3 Bioaccumulative potential No bioaccumulation

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Do not allow to enter drainage system, surface or ground water

Water hazard class 1 (Self-assessment): slightly hazardous for water.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.

Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 25.04.2018

Version number 1

Revision: 25.04.2018

Trade name Kiesoton

(Contd. of page 6)

Uncleaned packagings: Disposal must be made according to official regulations.

Recommendation:

After complete emptying and cleaning, send to be reconditioned or recycled.

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning.

Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

SECTION 14: Transport information

14.1 UN-Number ADR, IMDG, IATA	Void
14.2 UN proper shipping name ADR, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

TSCA (Toxic Substances Control Act)
All ingredients are listed.
Canadian Domestic Substances List (DSL)
All ingredients are listed.
Philippines Inventory of Chemicals and Chemical Substances
All ingredients are listed.
Chinese Chemical Inventory of Existing Chemical Substances
All ingredients are listed.
Australian Inventory of Chemical Substances
All ingredients are listed.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2018

Version number 1

Revision: 25.04.2018

Trade name Kiesoton

(Contd. of page 7)

Korean Existing Chemical Inventory		
CAS: 623-84-7	1,2-propandiol diacetate	KE-29272
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	KE-23315
New Zealand Inventory of Chemicals		
All ingredients are listed.		
Existing Chemical Substances (Japan)		
CAS: 623-84-7	1,2-propandiol diacetate	2-665
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	2-3144

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 40

National regulations

Technical instructions (air):

Class	Share in %
NK	50-100

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.

Department issuing data specification sheet: see item 1: Informing department

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC and RCR= Estimated Exposition/DNEL)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3