

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.05.2010

Revision: 11.05.2010

1 Identification of the substance/preparation and of the company/undertaking

- Product details**- Trade name: ergo 4101****- Application of the substance / the preparation** Adhesives**- Manufacturer/Supplier:**

Kisling AG

Motorenstrasse 102

CH-8620 Wetzikon

Telefon: +41-(0) 58-272 0 272

Telefax: +41-(0) 58-272 0 273

- Further information obtainable from: Safety Department**- Department issuing MSDS:** ergo@kisling.com**- Information in case of emergency:** Swiss Toxicological Information Centre: +41-(0) 44-2 51 51 51

2 Hazards identification

- Hazard description: Not applicable**- Information concerning to particular hazards to man and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- Chemical characterization**- Description:** Adhesive**- Dangerous components:** Void

4 First-aid measures

- General information: Remove any clothing soiled by the product.**- After inhalation:**

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

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact:

After contact with skin, wash with plenty of soap and water.

Generally the product does not irritate the skin.

- After eye contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

- After swallowing:

Rinse out mouth and then drink plenty of water.

If swallowed, do not induce vomiting; seek medical advice and show this container or label.

5 Fire-fighting measures

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.**- Special hazards caused by the substance, its products of combustion or resulting gases:**

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Nitrogen oxides (NO_x)

Carbon monoxide and carbon dioxide

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Danger of forming toxic pyrolysis products.
Under certain fire conditions, traces of other toxic gases cannot be excluded.

- Protective equipment:

Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.

- Additional information

Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Person-related safety precautions: Avoid contact with the eyes and skin.

- Measures for environmental protection:

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

- Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

- Additional information:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 10 for information on "stability and reactivity".
See Section 13 for disposal information.

7 Handling and storage

- Handling:

- Information for safe handling: No special precautions are necessary if used correctly.

- Information about fire - and explosion protection:

No special precautions are necessary if used and stored according to specifications.

- Storage:

- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

- Information about storage in one common storage facility: Not required.

- Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.

8 Exposure controls/personal protection

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

- Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: The lists valid during the making were used as basis.

- Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- Protection of hands:

Protective gloves on prolonged contact with skin.

Use gloves of stable material (e.g. Nitrile).

Check protective gloves prior to each use for their proper condition.

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

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- Material of gloves

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

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Avoid contact with the eyes.

9 Physical and chemical properties

- General Information

Form:	Fluid
Colour:	Green
Odour:	Mild

- Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

- Flash point: > 100°C

- Self-igniting: Product is not self-igniting.

- Danger of explosion: Product does not present an explosion hazard.

- Density at 25°C: 1,11 g/cm³

- Solubility in / Miscibility with water:

Not miscible or difficult to mix.

- Viscosity:

Dynamic at 25°C: 500 - 900 mPas (Brookfield (2/20))

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Protect from heat and direct sunlight.

- Materials to be avoided:
- Dangerous reactions

Reacts with metal-salts.

No dangerous reactions if used and stored according to specifications.

- Dangerous decomposition products:

No dangerous products of decomposition if used and stored according to specifications.

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:

- on the skin: Frequent and/or persistent contact with skin may cause skin irritation.

- on the eye: Slight irritant effect possible.

- Sensitization: No sensitizing effects known.

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- Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

No experimentally found toxicological data are available for this preparation.

12 Ecological information

- Additional ecological information:
- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or undiluted sewage system.

13 Disposal considerations

- Product:

- Recommendation Disposal must be made according to official regulations.

- European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

- Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- Land transport ADR/RID (cross-border)

- ADR/RID class: -

15 Regulatory information

- Labelling according to EU guidelines:

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Observe the general safety regulations when handling chemicals.

- National regulations:

- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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