

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.06.2015

Version number 1

Revision: 05.06.2015

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

#### - 1.1 Product identifier

- Trade name: ergo 6960

#### - 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 Priming

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

##### - 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

- 1.4 Emergency telephone number: Swiss Toxicological Information Centre: +41-(0) 44-2 51 51 51

### SECTION 2: Hazards identification

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

##### - Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT SE 3 H335 May cause respiratory irritation.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

##### - Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

R20/21-48/20-63-65: Harmful by inhalation and in contact with skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed.

Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

F; Highly flammable

R11: Highly flammable.

##### - Information concerning particular hazards for human and environment:

The product has 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.

#### - 2.2 Label elements

##### - Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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**- Hazard pictograms****- Signal word** Danger**- Hazard-determining components of labelling:**

toluene  
xylene (mix)

**- Hazard statements**

H225            Highly flammable liquid and vapour.  
H312+H332    Harmful in contact with skin or if inhaled.  
H315            Causes skin irritation.  
H319            Causes serious eye irritation.  
H361            Suspected of damaging fertility or the unborn child.  
H335            May cause respiratory irritation.  
H373            May cause damage to organs through prolonged or repeated exposure.  
H304            May be fatal if swallowed and enters airways.

**- Precautionary statements**

P210            Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241            Use explosion-proof electrical/ventilating/lighting/equipment.  
P301+P310     IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501            Dispose of contents/container in accordance with local/regional/national/international regulations.

**- 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:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:** Void

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures****- 4.1 Description of first aid measures****- General information:**

Take affected persons out into the fresh air.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.  
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.

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- **After skin contact:**  
After contact with skin, wash immediately with plenty of soap and water.  
If skin irritation continues, consult a doctor.
- **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 immediately and show this container or label.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Information for doctor:**  
If swallowed or in the event of vomiting, risk of product entering the lungs. This may cause chemical pneumonia or suffocation.
- **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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Can form explosive gas-air mixtures.  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **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.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Keep away from ignition sources.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Avoid contact with the eyes and skin.
- **6.2 Environmental precautions:**  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**  
Fumes can combine with air to form an explosive mixture.  
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.

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### SECTION 7: Handling and storage

#### - 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
Prevent formation of aerosols.

#### - Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

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

##### - Storage:

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:** Store away from foodstuffs.

##### - Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.  
Store under lock and key and with access restricted to technical experts or their assistants only.

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

### SECTION 8: Exposure controls/personal protection

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

#### - 8.1 Control parameters

##### - 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.

#### - 8.2 Exposure controls

##### - Personal protective equipment:

##### - General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not eat, drink, smoke or sniff while working.

##### - Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

##### - Protection of hands:

Protective gloves (EN 374)  
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.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

##### - 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:** Tightly sealed goggles

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- **Body protection:** Use protective suit.

### SECTION 9: Physical and chemical properties

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

##### - General Information

##### - Appearance:

**Form:** Fluid

**Colour:** Colourless

**- Odour:** Characteristic

**- Odour threshold:** Not determined.

**- pH-value:** Not determined.

##### - Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 110 °C

**- Flash point:** < 20 °C

**- Flammability (solid, gaseous):** Not applicable.

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

**- Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### - Explosion limits:

**Lower:** Not determined.

**Upper:** Not determined.

**- Vapour pressure:** Not determined.

**- Density at 20 °C:** 0,92 g/cm<sup>3</sup>

**- 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

#### - 10.2 Chemical stability

#### - Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

**- 10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air.

**- 10.4 Conditions to avoid** No further relevant information available.

**- 10.5 Incompatible materials:** No further relevant information available.

#### - 10.6 Hazardous decomposition products:

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

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### SECTION 11: Toxicological information

#### - 11.1 Information on toxicological effects

##### - Acute toxicity

##### - LD/LC50 values relevant for classification:

###### 108-88-3 toluene

Inhalative	LC50/4 h => LC50/4	5320 mg/l (mus)
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###### 1330-20-7 xylene (mix)

Inhalative	LC50/4 h => LC50/4	6350 mg/l (rat)
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###### 71-36-3 butanol

Oral	LD50	790 mg/kg (rat)
Dermal	LD50	3400 mg/kg (rbt)
Inhalative	LC50/4 h	24,3 mg/l (rat)

##### - Primary irritant effect:

- **Skin corrosion/irritation** Irritant to skin and mucous membranes.

- **Serious eye damage/irritation** Causes serious eye irritation.

- **Respiratory or skin sensitisation** No sensitising effects known.

##### - Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

No experimentally found toxicological data are available for this preparation.

##### - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Repr. 2

### SECTION 12: Ecological information

#### - 12.1 Toxicity

##### - Aquatic toxicity:

###### 71-36-3 butanol

LC50/96 h	100 - 2300 mg/l (Fi)
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- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

##### - Additional ecological information:

##### - General notes:

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

Danger to drinking water if even small quantities leak into the ground.

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

##### - 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** Disposal must be made according to official regulations.

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

#### SECTION 14: Transport information

- 14.1 UN-Number

- ADR, IMDG, IATA

UN1993

- 14.2 UN proper shipping name

- ADR

1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)

- IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)

- 14.3 Transport hazard class(es)

- ADR



- Class

3 (F1) Flammable liquids.

- Label

3

- IMDG, IATA



- Class

3 Flammable liquids.

- Label

3

- 14.4 Packing group

- ADR, IMDG, IATA

II

- 14.5 Environmental hazards:

Not applicable.

- 14.6 Special precautions for user

Warning: Flammable liquids.

- Danger code (Kemler):

33

- EMS Number:

F-E,S-E

- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

- Transport/Additional information:

- ADR

- Limited quantities (LQ)

1L

- Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

- Transport category

2

- Tunnel restriction code

D/E

- IMDG

- Limited quantities (LQ)

1L

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**- Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

**- UN "Model Regulation":**

UN1993, FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, II

### SECTION 15: Regulatory information

**- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**- National regulations:**
**- Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

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

### SECTION 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.

**- Abbreviations and acronyms:**

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 Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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