

Material Safety Data Sheet

According to 2001/58/EC

Printing date 25.07.2005

version n° 3

Reviewed on 25.07.2005




1 Identification of substance:

- **Product details:**
- **Trade name:** *GUTOID MP100*
- **Application of the substance / the preparation** Polyurethane-sealant
- **Manufacturer/Supplier:**
KERAKOLL S.p.A.
Via dell'Artigianato, 9
41049 Sassuolo (MODENA) ITALY
Tel. +39 0536 816511
Fax. +39 0536 816581
- **Informing department:** Product safety department.

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with harmless additions.

- Dangerous components:

CAS: 101-68-8 EINECS: 202-966-0	diphenylmethane-4,4'-di-isocyanate	 Xn; R 20-36/37/38-42/43	10-25%
CAS: 5873-54-1 EINECS: 227-534-9	diphenylmethane-2,4'-diisocyanate	 Xn; R 20-36/37/38-42/43	10-25%
CAS: 2536-05-2 EINECS: 219-799-4	diphenylmethane-2,2'-diisocyanate	 Xn; R 20-36/37/38-42/43	10-25%

3 Hazards identification

- Hazard designation:



Xn Harmful

- Information pertaining to particular dangers for man and environment

- R 20 Harmful by inhalation.
- R 36/37/38 Irritating to eyes, respiratory system and skin.
- R 42 May cause sensitisation by inhalation.
- Contains isocyanates. See information supplied by the manufacturer

- Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- General information

- Instantly remove any clothing soiled by the product.
- In case of irregular breathing or respiratory arrest provide artificial respiration.
- Take affected persons into the open air.
- Take affected persons out of danger area and instruct to lie down.

- 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

Instantly wash with water and soap and rinse thoroughly.

- After eye contact

Rinse opened eye for several minutes under running water.

- After swallowing

Do not induce vomiting; instantly call for medical help.

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- **Information for doctor**
- **The following symptoms may occur:**
 - Allergic reactions
 - Sickness
 - Asthma attacks

5 Fire fighting measures

- **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.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Can be released in case of fire
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Formation of poisonous gases during heating or in fires.
- **Protective equipment:**
Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Bring persons out of danger.
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources
- **Measures for environmental protection:**
Do not allow product to reach sewage system or water bodies.
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
Allow to solidify. Collect mechanically.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.
Keep containers tightly sealed.
Store in cool, dry place in tightly closed containers.
Keep away from heat and direct sunlight.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store in cool location.
Store only in unopened original containers.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.

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Store away from water.

- Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Store under dry conditions.

Store container in a well ventilated position.

8 Exposure controls and personal protection

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

- Components 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 that were valid during the compilation were used as basis.

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

The usual precautionary measures should be adhered to general rules for handling chemicals.

Do not inhale gases / fumes / aerosols.

Apply solvent resistant clothing before beginning work.

Keep away from foodstuffs, beverages and food.

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

Take off immediately all contaminated clothing

Avoid contact with the eyes and skin.

- Breathing equipment:

Not necessary if room is well-ventilated.

Use breathing protection in case of insufficient ventilation.

Filter A/P2.

- Protection of hands: Protective gloves.

- Material of gloves

PVC gloves

Rubber gloves

- 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: Safety glasses recommended during refilling.

- Body protection: Protective work clothing.

9 Physical and chemical properties:

- General Information

Form:	Fluid
Colour:	Dark brown
Odour:	Characteristic

- Change in condition**Melting point/Melting range:** Not determined**Boiling point/Boiling range:** 350°C

- Flash point: 180°C

- Ignition temperature: 400°C

- Self-inflammability: Product is not selfigniting.

- Danger of explosion: Product is not explosive.

- Vapour pressure at 20°C: < 0.00001 mbar

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- Density at 20°C	1.22 g/cm ³
- Solubility in / Miscibility with Water:	Unsoluble
- Viscosity:	
dynamic at 20°C:	22.5 mPas
Organic solvents:	0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions**
Reacts with alcohols
Reacts with water
- **Dangerous products of decomposition:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** Sensitization possible by inhalation.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful

12 Ecological information:

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Can be deposited with household garbage after solidification following consultation with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.
- **Uncleaned packagings:**
- **Recommendation:**
Dispose of packaging according to regulations on the disposal of packagings.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

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Disposal must be made according to official regulations.

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14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID-GGVS/E Class: -

- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

- Transport/Additional information: Not dangerous according to the above specifications.

15 Regulatory information

- Designation according to EC guidelines:
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- Code letter and hazard designation of product:



Xn Harmful

- Risk phrases:
20 Harmful by inhalation.
36/37/38 Irritating to eyes, respiratory system and skin.
42 May cause sensitisation by inhalation.
- Safety phrases:
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).
36 Wear suitable protective clothing.
38 In case of insufficient ventilation, wear suitable respiratory equipment.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Special designation of certain preparations:
Contains isocyanates. See information supplied by the manufacturer
- National regulations
- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

- Relevant R-phrases
20 Harmful by inhalation.
36/37/38 Irritating to eyes, respiratory system and skin.
42/43 May cause sensitisation by inhalation and skin contact.
- Department issuing data specification sheet: SSP
- Contact: Dr. G. Ghirardini c/o Kerakoll S.p.A. tel. +39 0536 816511

fax +39 0536 816581

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- Others regulations

The safety data sheet has been drawn up in accordance with European directives 1999/45/EC, 2001/58/EC, 2001/59/EC and 2001/60/EC.

- * Data compared to the previous version altered.

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