

Material Safety Data Sheet

According to 91/155 EC

Printing date 17.08.2001

Reviewed on 17.08.2001

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

· **Product details**

· **Trade name:** Dorus R.397

Dorus R.397/1 blau

Dorus R.397/2 dunkelblau

· **Manufacturer/Supplier:**

Henkel Dorus GmbH & Co.KG

D-73438 Bopfingen

Postfach 1134

Telefon: 07362 / 810

Fax:

07362 / 81200

· **Further information obtainable from:** Abteilung Umweltschutz

2 Composition/information on ingredients

· **Chemical characterization:**

· **CAS No. Description**

polyisocyanate

· **Identification number(s) n.d.**

3 Hazards identification

· **Hazard description:**



Xi Irritant

· **Information concerning particular hazards for human and environment:**

R 43 May cause sensitization by skin contact.

Contains isocyanates. See information supplied by the manufacturer

4 First-aid measures

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

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

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Call a doctor immediately.

5 Fire-fighting measures

· **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards caused by the substance, its products of combustion or resulting gases:**

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

· **Protective equipment:** Wear self-contained respiratory protective device.

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6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:**
 Prevent seepage into sewage system, workpits and cellars.
 Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 Protect from frost.
 Store in cool, dry conditions in well sealed receptacles.
- **Storage class:**
- **Class according to regulation on flammable liquids:** Void

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:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** Fluid
- **Colour:** Different according to colouring
- **Odour:** Light

- **Change in condition**
Melting point/Melting range: Undetermined.

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Boiling point/Boiling range:	230°C
· Flash point:	181°C
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	ca. 1.2 g/cm ³
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· pH-value at 20°C:	ca. 8
· Viscosity:	
Dynamic at 20°C:	ca. 2000 mPas (Brookfield)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with alcohols, amines, aqueous acids and alkalis.
- **Dangerous decomposition products:**
Poisonous gases/vapours
Possible in traces.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

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

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue	
08 00 00	Wastes from the manufacture, formulation, supply and use (MFSU) of coatings, (paints, varnishes and vitreous enamels), adhesive, sealants and printing inks
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 06	adhesives and sealants sludges free of halogenated solvents

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

14 Transport information

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** -

- **Maritime transport IMDG:**

- **IMDG Class:** -

- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** -

15 Regulatory information

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**

Xi Irritant

- **Risk phrases:**

43 May cause sensitization by skin contact.

- **Safety phrases:**

24 Avoid contact with skin.

- **Special labelling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer

- **National regulations:**

- **Classification according to VbF:** Void

- **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.

- **Department issuing MSDS:** Abteilung Umweltschutz

- **Contact:** Frau Pruzina