

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 12/05/2008

Revision: 12/05/2008

1 Identification of substance:• **Product details:**• **Trade name:** CONDURSAL N623P• **Application of the substance / the preparation**

Water base Gas Nitriding Stop Off

• **Manufacturer/Supplier:**

NÜSSLE GmbH & Co. KG
 Isoliermittel für Härtetechnik
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• **Informing department:** Laboratory Department• **Emergency information:**

During the day: +49 7452 93205-0

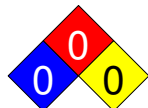
At any other time: local fire department

2 Hazards identification• **Hazard designation:** void• **Information pertaining to particular dangers for 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 in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

• **NFPA ratings**

Health =0

Flammability =0

Reactivity =0

• **HMIS ratings**

Health = 0

Flammability = 0

Reactivity = 0

3 Composition/information on ingredients• **Chemical characterization**• **Description:**

Mixture of the substances listed below with harmless additions.

• **Dangerous components:**

111-76-2 2-butoxyethanol

<2.0%

Xn, Xi; R 20/21/22-36/38

• **Additional information**

For the wording of the listed risk phrases refer to section 16.

4 First aid measures• **General information** No special measures required.• **After inhalation** Supply fresh air; consult doctor in case of symptoms.• **After skin contact** The product is not skin irritating.• **After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor.

• **After swallowing** Do not induce vomiting; instantly call for medical help.**5 Fire fighting measures**• **Suitable extinguishing agents**

Product is non-inflammable.

Use fire fighting measures that suit the environment.

• **Protective equipment:** No special measures required.

(Contd. on page 2)

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(Contd. of page 1)

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:**
Prevent material from reaching sewage system, holes and cellars.
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous materials are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
No special measures required.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
The product is not flammable
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from frost.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:**
No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
111-76-2 2-butoxyethanol (<2.0%)
PEL 240 mg/m³, 50 ppm
Skin
REL 24 mg/m³, 5 ppm
Skin
TLV 97 mg/m³, 20 ppm
- | CAS No. | Designation of material | % | Type | Value | Unit |
|------------------------------|-------------------------|---|------|-------|------|
| No further data; see item 2. | | | | | |
- **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 in handling the chemicals.
Instantly remove any soiled and impregnated garments.
Do not eat, drink or smoke while working.
- **Breathing equipment:** Not required.
- **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**
Rubber 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.
Butyl rubber, BR

(Contd. on page 3)

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Revision: 12/05/2008

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(Contd. of page 2)

- **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.
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

* **9 Physical and chemical properties:**• **General Information**

Form:	Pasty
Colour:	Green
Smell:	Mild

• **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	100°C

- **Flash point:** Not applicable
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive.
- **Steam pressure at 20°C:** 23 hPa
- **Density at 20°C** 2.0 g/cm³ (DIN 53217)
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value at 20°C:** 8-9
- **Viscosity:**
dynamic at 20°C: 15000 mPas (Brookfield)
- **Solvent content:**
Organic solvents: <2 %
Water: 20-30 %
- **Solids content:** 70-80 %
- **Additional information** Values are average.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of composition:**
At temperatures above 250°C, depolymerisation and the release of starting monomers can arise

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.

* **12 Ecological information:**

- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
At present there are no ecotoxicological assessments.

(Contd. on page 4)

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(Contd. of page 3)

13 Disposal considerations

- **Product:**
- **Waste disposal key number:**
08 01 12 waste paint and varnish other than those mentioned in 08 01 11
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **ADR/RID-GGVS/E Class:** -
- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

- **Designation according to EC guidelines:**
Observe the normal safety regulations when handling chemicals
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
- **National regulations**
- **Technical instructions (air):**
- **Class Share in %**
- **II** <2,0
- **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.

- **Department issuing data specification sheet:** Laboratory department
- **Contact:** H. Schinagl
- *** Data compared to the previous version altered.**