

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 03/24/2011

Revision: 03/24/2011

1 Identification of substance:• **Product details:**• **Trade name:** CONDURON• **Article number:**CONDURON G55
CONDURON G55HK
CONDURON 33• **Application of the substance / the preparation**

Water base Stop-Off Paint for Gas Carburizing

• **Manufacturer/Supplier:**Manufacturer:
NÜSSLE GmbH & Co. KG
Isoliermittel für Härtetechnik
Iselshausenstr. 55
D-72202 NAGOLD
GERMANYTel.: +49 (0)7452 93205- 0
Fax.: +49 (0)7452 93205-20
mail@nuessle-kg.de

Supplier:

THE DUFFY COMPANY
283 E. Hellen Rd. Palatine, Il. 60067-6954
(847) 202-0000 Fax (847) 202-0004
USA• **Informing department:** Laboratory Department• **Emergency information:**InfoTrac
1-800-535-5053**2 Hazards identification**• **Hazard designation:**

Xi Irritant

• **Information pertaining to particular dangers for man 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.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

• **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 =2
Flammability =0
Reactivity =0• **HMIS ratings**Health = 2
Flammability = 0
Reactivity = 0**3 Composition/information on ingredients**• **Chemical characterization**• **Description:** Solution of sodium silicates in water with inorganic fillers• **Dangerous components:**1344-09-8 Silicic acid, sodium salt 15-25%
Xi; R 38-41• **Additional information**

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

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4 First aid measures

- **After inhalation**
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact**
Treat affected skin portions with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.
If skin irritation continues, consult a doctor.
- **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.
Rinse out mouth and then drink plenty of water.

5 Fire fighting measures

- **Suitable extinguishing agents** Product is non-inflammable.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Particular danger of slipping on leaked/spilled product.
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).
Ensure adequate ventilation.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
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.
Provide alkali-resistant floor.
Do not use light alloy containers.
Use only containers specifically permitted for this substance/product.
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials.
- **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:**
1303-96-4 disodium tetraborate decahydrate (<3.0%)
REL 5 mg/m³
TLV 5* 1** mg/m³
*Decahydrat **Pentahydrat
- **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.

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- **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.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
Do not eat, drink or smoke while working.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Alkaline resistant gloves
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**
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
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
- **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:	Red-brown
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.
- **Density at 20°C** 2.0 g/cm³ (DIN 53217)
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value at 20°C:** 11
- **Viscosity:**

dynamic at 20°C:	5000-10000 mPas (Brookfield)
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- **Solvent content:**

Water:	20-30 %
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- **Solids content:** 70-80 %
- **Additional information** Values are average.

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* **10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions**
Strong exothermic reaction with acids
Reacts with light alloys to form hydrogen
- **Dangerous products of composition:**
No dangerous decomposition products known

* **11 Toxicological information**

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

* **12 Ecological information:**

- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
At present there are no ecotoxicological assessments.

* **13 Disposal considerations**

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **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.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

* **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:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Code letter and hazard designation of product:**
Xi Irritant
- **Risk phrases:**
38 Irritating to skin.
41 Risk of serious damage to eyes.

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• 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.
- 37/39 Wear suitable gloves and eye/face protection.
- 60 This material and its container must be disposed of as hazardous waste.

• National regulations**• Water hazard class:**

Water hazard class 2 (Self-assessment): 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:** see Chapter 1
- * Data compared to the previous version altered.**