



Safety Data Sheet

According to 1907/2006/EC, Article 31

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

Product details

· Trade name: **Dura NC Varnish**

· **Manufacturer/Supplier:**

German Surface treatment chemicals Co.
AL Fawzan industry Area
Riyadh

Saudi Arabia Kingdom

amirqasqas@sugest.com.sa

· **Further information obtainable from:** Product safety department

· **Information in case of emergency:** During normal opening times: +966 11 4647711

2 - Hazards identification

· **Hazard description:**



Xn Harmful
F Highly flammable

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

The product has to be labeled 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.

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German metal Surface treatment Chemicals Co.
Research and Development Department
Paints Division.

Trade name: **Dura NC Varnish**

· · *GHS label elements*



Warning

H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness.

· **Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

· **Response:**

P321 Specific treatment (see on this label).

P362 Take off contaminated clothing and wash before reuse.

· **Storage:**

P405 Store locked up.

· **Disposal:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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Trade name: **Dura NC Varnish**

3 Composition/information on ingredients

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

· **Dangerous components:**

<p>CAS: 123-86-4 EINECS: 204-658-1</p>	<p><i>n-butyl acetate</i></p>	<p><i>R 10-66-67</i></p> <hr style="border-top: 1px dashed #ccc;"/> <p>Warning:  2.6/3;  3.8/3</p>	<p>25 %</p>
<p>CAS: 1330-20-7 EINECS: 215-535-7</p>	<p><i>Xylene</i></p>	<p> <i>Xn</i>,  <i>Xi</i>, <i>R 10-20/21-38</i></p> <hr style="border-top: 1px dashed #ccc;"/> <p>Danger:  2.6/2;  3.10/1, 3.7/2, 3.9/2</p> <hr style="border-top: 1px dashed #ccc;"/> <p>Warning:  2.6/3 ;  3.1 D/4,3.1/4, 3.2/2</p>	<p>15 %</p>

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



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4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 - Fire-fighting measures

- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.



Trade name: Dura NC Varnish

6 - Accidental release measures

TECHNICAL MEASURES: Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by bonding containers and equipment before transferring material.

SAFE HANDLING ADVICE: Avoid contact with skin and eyes.

PACKAGING MATERIAL: Keep in original container.

STORAGE CONDITIONS: Store in a separate safety storage cabinet or room. Keep container tightly closed and sealed until ready for use. Keep in a well ventilated place. Storage containers should be grounded and bonded. Store in a cool area away from all ignition sources.

Temperature not exceed more than 35 Celsius to avoid products yellowing and hard settling

7 - Handling and storage

Oil based Paints and Solvents are 'Hazardous Wastes' and as such are subject to much stricter regulations for storage and disposal than ordinary products / waste.

We must ensure that the following rules are followed:

- Paints and Solvents are to be stored in approved containers and areas on drip trays or banded pallets
- Containers are to be kept closed when not in use
- When transporting paints or solvents ensure the containers are closed.
- Ensure incompatible chemical products (those which may cause a hazardous reaction if they come in contact) are not stored together.
- Smoking is prohibited in flammable liquid storage areas.
- Flammable liquids are not to be stored near sources of ignition (sparks, electricity, flames or hot objects)
- When containers are empty they must be disposed of correctly, by a hazardous waste licensed carrier.
- All paints and solvent tins/containers should be clearly marked.
- Storing temperature not exceed more than 35 Celsius.
- The transportation trucks and vehicles must be covered well to isolate the coatings pails and tins from direct sunlight.
- The pails and tins must be stored in dry paces away from high humidity.



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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:	
123-86-4 n-butyl acetate	
<i>WEL</i>	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm
1330-20-7 xylene	
<i>WEL</i>	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

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

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· 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

Goggles recommended during refilling



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9 - Physical and chemical properties

· General Information

Form: Fluid

Color: According to product specification

Odor: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** 27 °C

· **Ignition temperature:** 370°C

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

Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: 1.2 Vol %

Upper: 7.5 Vol %

· **Vapor pressure at 20°C:** 10.7 hPa

· **Density at 20°C:** 0.96 : 1.10 g/cm³

· Solubility in / Miscibility with

water: Not miscible or difficult to mix.

· Solvent content:

Organic solvents: 40.0%

VOC (EC) : 40.00 %



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10 - Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 - Toxicological information

- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

1330-20-7 xylene

Oral	LD 50	4300 mg/kg (rat)
Dermal	LD 50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.



· Trade name: **Dura NC Varnish**

12 - Ecological information

· **Additional 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** Smaller quantities can be disposed of with household waste.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.



· Trade name: **Dura NC Varnish**

14 - Transport information

· **Maritime transport IMDG:**

· **Marine pollutant:** No

- The transportation vehicle must be covered well to keep the pails and tins away from direct sunlight.

15 Regulatory information

· **Labeling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

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

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.

· **Relevant R-phrases**

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** Product safety department

· **Contact:** Mr. Taha Manzoor

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent