



NB Semiplat Au-100

Print date: 13.03.2014

Product code: 4

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

NB Semiplat Au-100

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

For industrial purposes only.

Industrial use: Electroplating technologies

1.3. Details of the supplier of the safety data sheet

Company name:	NB Technologies GmbH	
Street:	Fahrenheitstr. 1	
Place:	D-28359 Bremen	
Telephone:	+49 421 24458 10	Telefax: +49 421 22379787
e-mail:	info@nb-technologies.de	
Internet:	www.nb-technologies.de	
Responsible Department:	Produktion: Mike Becker	becker@nb-technologies.de

1.4. Emergency telephone:

Gemeinsames Giftinformationszentrum Erfurt
Tel: +49 (0) 361 73073 0
www.ggiz-erfurt.de

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger : Corrosive

GHS classification

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

2.2. Label elements

Hazardous components which must be listed on the label

caustic soda, sodium hydroxide

Signal word: Danger

Pictograms: GHS05



Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P282	Wear cold insulating gloves/face shield/eye protection.
P262	Do not get in eyes, on skin, or on clothing.
P362	Take off contaminated clothing and wash before reuse.
P264	Wash hands and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Further Information

There are no ingredients or additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of irritation of the respiratory tract seek medical advice. In case of unconsciousness place in unconscious position and seek medical advice.

After contact with skin

Wash with generous amount of water. Change contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Remove casualty to fresh air and keep warm and at rest. In case of unconsciousness place in unconscious position and seek medical advice. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Let water be swallowed in little sips (dilution effect). Medical advice absolutely required!

4.2. Most important symptoms and effects, both acute and delayed

Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing materials should be selected according to the surrounding area.

Extinguishing media which must not be used for safety reasons

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5.2. Special hazards arising from the substance or mixture

The product itself is not combustible. Let off heat to prevent increase in pressure. Danger of bursting container.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use a water spray jet to knock down vapours/gases/mists. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures



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6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Evacuate area. Wear personal protection equipment. In case of insufficient ventilation, wear suitable respiratory equipment.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment. Do not eat, drink, smoke or sneeze at the workplace. After work, wash hands and face. Avoid contact with skin, eye and clothing. Inhalation of vapours or spray/mists

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place. Storing temperature: 5 - 30°C

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Heating causes rise in pressure with risk of bursting.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Occupational exposure controls

To date, no national limit values exist.

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

Hand protection

Wear suitable gloves.

Eye protection

Wear eye protection/face protection.

Skin protection

Use personal protective equipment as required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	yellow
Odour:	characteristic

pH-Value (at 20 °C):

9 - 10

Test method

Changes in the physical state



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Oxidizing properties

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Density (at 20 °C):

1,220 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

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10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

The impact of decomposition compounds may cause physical harm. Serious damages may occur much later after exposition.

Specific effects in experiment on an animal

No data available

Irritation and corrosivity

No data available

Sensitising effects

No data available

Severe effects after repeated or prolonged exposure

No data available

Carcinogenic/mutagenic/toxic effects for reproduction

No data available

Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

No specific impact or danger reported.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Further information

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations



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13.1. Waste treatment methods

Advice on disposal

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

Contaminated packaging

Water (with cleaning agent). Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.

Inland waterways transport

14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.

Marine transport

14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.

Air transport

14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.

14.5. Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Additional information

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3

H314 Causes severe skin burns and eye damage.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)