

Date of issue: 16.12.2019 Replaces Data Sheet of: ---

"*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

NIVONA

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade Name: NIVONA Premium Reinigungstabletten NIRT 701
Article No.: 390 701 200
Preparation No.: 014
Registration No.: n.ap.
UFI - Code: 37AE-A6D7-8000-4SES

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

Identified uses: cleaning agent

1.3 Details of the supplier of the safety data sheet**1.3.1 Address of the Company / Supplier:**

NIVONA Apparate GmbH, Südwestpark 49, 90449 Nürnberg, Germany
Telephone: +49 (0) 911 252 663 - 90, E-Mail: service@nivona.com

1.4 Emergency telephone number

Emergency - Telephone of Company / Undertaking
Telephone: +49 (0) 911 252 663-90 (9:00 – 16:00)

National Poisons Information Service
Telephone: +44 121 507 4123

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Eye Irrit. 2; H319

2.2 Label elements

Classification according to 1272/2008/EC: Yes.

Applicable Exemptions: Yes.

Signal word(s): Warning

Component(s):

Hazard pictogram(s):

**H - Phrases:**

H319: Causes serious eye irritation.

P - Phrases:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Additional Markings:

2.3 Other hazards

This mixture contains no substances which are assessed to be PBT or vPvB.

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SECTION 3: Composition/information on ingredients

3.1 Substances

n.ap.

3.2 Mixtures

Chemical Characterisation:

Mixture

Dangerous Ingredients:

Material	Index - No.	EC - No.	REACH - No.	m% - range
CAS - No.				
Hazard Code(s) / H - phrases				
Disodium carbonate, compound with hydrogen peroxide (2:3)				20 – 30%
15630-89-4	n.ap.	239-707-6	01-2119457268-30-xxxx	
Ox. Sol. 3; H272 / Acute Tox. 4; H302 / Eye Dam. 1; H318				
Sodium carbonate				20 – 30%
497-19-8	011-005-00-2	207-838-8	01-2119485498-19-xxxx	
Eye Irrit. 2; H319				
Citric acid				10 – 20%
77-92-9	n.ap.	201-069-1	01-2119457026-42-xxxx	
Eye Irrit. 2; H319				

Text of H - phrases: see section 16

m% - range: $x - y \triangleq x \geq - < y$

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation:

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

4.1.2 Skin Contact:

Before washing use a dry brush to remove dust from skin. Wash off with plenty of water.

If skin irritation persists, call a physician.

4.1.3 Eye Contact:

Call a physician immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

Call a physician immediately. Show this safety data sheet to the doctor in attendance.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable Extinguishing Media:

Use dry chemical, CO₂, water spray or "alcohol" foam.

5.1.2 Extinguishing Media to Avoid:

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: respirable dust carbon oxides oxides of phosphorus.

5.3 Advice for firefighters

5.3.1 Special Protective Equipment:

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
See chapter 8.2.2
Avoid dust formation.
- 6.2 **Environmental precautions**
Do not contaminate water. Do not let product enter drains.
Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
Use mechanical handling equipment. Avoid dust formation.
If recycling is not practicable, dispose of in compliance with local regulations.
- 6.4 **Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling:**
Avoid contact with skin and eyes. When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.
Do not breathe dust.
- 7.1.2 **Precautions in Case of Fire and Explosion:**
Keep away from heat and sources of ignition.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**
Store in original container. Keep in a dry, cool place. Protect from frost, heat and sunlight.
Never allow product to get in contact with water during storage (hygroscopic).
Decomposes slowly on exposure to water.
- 7.2.2 **Store away from:**
Do not store near acids.
- 7.2.3 **Further Information on Storage Conditions:**
Never allow product to get in contact with water during storage (hygroscopic).
- 7.3 **Specific end use(s)**
n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**

Material	Limit Value
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- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** In the case of respirable dust, use self-contained breathing apparatus.
- 8.2.2b **Hand Protection:** Protective gloves complying with EN 374.
Butyl-rubber neoprene break through time > 8 h
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c **Eye Protection:** Tightly fitting safety goggles
- 8.2.2d **Skin Protection:** Protective suit
- 8.2.2e **Further Information:** Observe wearing time limits:
- 8.2.3 **Environmental exposure controls:**
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: tablet	Colour: white	Odour: characteristic
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	n.ap.	
	pH-value, 1% aqueous solution:	10	
9.1.3	Boiling point / Boiling - range (°C):	n.av., Melting point / Melting range (°C): n.av.	
9.1.4	Flash point (°C):	n.ap., closed cup	
9.1.5	Flammability (EEC A10/A13):	No.	
9.1.6	Ignition temperature (°C):	n.av.	
9.1.7	Autoflammability (EEC A16):	None.	
9.1.8	Oxidising properties:	No.	
9.1.9	Explosion hazard:	No.	
9.1.10	Explosion limits (Vol.%) lower:	n.av., upper: n.av.	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	n.av.	
9.1.13	Solubility (in Water):	soluble	
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	n.ap.	
9.1.16	Solvent content (m %):	n.ap.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity
	None.
10.2	Chemical stability
	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions
	Decomposes in contact with water, acids.
10.4	Conditions to avoid
	Heat, flames and sparks.
	Never allow product to get in contact with water during storage.
10.5	Incompatible materials
	Incompatible with acids, humid air and water.
10.6	Hazardous decomposition products
	Decomposes slowly on exposure to water.
	Decomposes by reaction with strong acids.
	Hazardous decomposition products: oxygen carbon oxides.

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SECTION 11: Toxicological information
11.1 Information on toxicological effects

Acute Health Effects:

Inhalation:

n.av.

Ingestion:

Disodium carbonate, compound with hydrogen peroxide (2:3)

LD₅₀/oral/rat= 1034 mg / kg

ATE_{mix} 4308 mg / kg

Skin Contact:

n.av.

Skin corrosion / irritation:

Slight

Serious eye damage / irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

No.

Germ cell mutagenicity:

n.av.

Carcinogenicity:

n.av.

Reproductive toxicity:

n.av.

STOT-single exposure:

n.av.

STOT-repeated exposure:

n.av.

Aspiration hazard:

n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

None.

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information
12.1 Toxicity

We have no quantitative data concerning the ecological effects of this product.

12.2 Persistence and degradability

No data is available on the product itself.

Solutions with high pH-value must be neutralized before discharge.

12.3 Bioaccumulative potential

n.av.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

n.av.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD5-Value, mg/g: n.av.

12.6.3 AOX-Remarks: Not applicable.

12.6.4 Significant Components: None.

12.6.5 Other adverse effects: Not applicable.

SECTION 13: Disposal considerations
13.1 Waste treatment methods

13.1.1 Recommendation: D 10 / R 4

Waste - Code - No.: 20 01 29

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling: As described under Residues.

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SECTION 14: Transport information

	ADR	IMDG	IATA
	Not a dangerous substance as defined in the above regulations.		
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
n.av.
- 15.2 **Chemical safety assessment :**
n.ap.

SECTION 16: Other information

Text of H phrases mentioned in Section 3

H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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