

## SAFETY DATA SHEET

NOVADAN®

## Bistro 741

NOVADAN®

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 19.11.2018

Revision date 03.05.2022

**1.1. Product identifier**

Product name Bistro 741

UFI 6EF0-F06V-U00Y-YP1N

Article no. 15008, 15012, 26237

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

Product group Alkaline dishwashing liquid.

Relevant identified uses SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)

PC35 Washing and cleaning products (including solvent based products)

PROC2 Use in closed, continuous process with occasional controlled exposure

ERC8A Wide dispersive indoor use of processing aids in open systems

Uses advised against No specific uses advised against are identified.

**1.3. Details of the supplier of the safety data sheet****Producer**

Company name Novadan ApS

Postal address Platinvej 21

Postcode DK-6000

City Kolding

Country Danmark

Telephone number + 45 76 34 84 00

Fax + 45 75 50 43 70

Email [sds@novadan.dk](mailto:sds@novadan.dk)Website [www.novadan.dk](http://www.novadan.dk)

## 1.4. Emergency telephone number

Emergency telephone

Description: UK: NHS: 111

EI: National Poisons Information Centre, 24/7: 01 809 2166

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to

Skin Corr. 1A; H314; Calculation method

Regulation (EC) No 1272/2008  
[CLP / GHS]

Eye Dam. 1; H318; Calculation method

Substance / mixture hazardous properties

For further information, please refer to section 11.

Additional information on classification

The informations stated in this MSDS, applies for the concentrated product. See Sec. 16, for informations regarding recommended user solutions

### 2.2. Label elements

#### Hazard pictograms (CLP)



Composition on the label

Sodium hydroxide

Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

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

P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

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

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

P310 Immediately call a POISON CENTER or doctor / physician.

### 2.3. Other hazards

Health effect

Corrosive to skin and eyes. May cause permanent damage to the eyes, especially if the product is not washed away IMMEDIATELY. See section 11 for additional information on health hazards.

Environmental effects

Substantial amounts of the product may lead to a local change in acidity in small water systems which may have adverse effects on aquatic organisms. This product does not contain any PBT or vPvB substances.

Other hazards

No evidence for endocrine disrupting properties.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Sodium hydroxide	CAS No.: 1310-73-2	Skin Corr. 1A; H314	5 - 15 %	

EC No.: 215-185-5	Eye Dam. 1; H318
REACH Reg. No.:	Met. Corr. 1; H290
01-2119457892-27-xxxx	Additional information on classification: Eye Irrit. 2; H319: 0,5 % ≤ C < 2 % Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %
Substance comments	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: <5%: polycarboxylates . The full text for all hazard statements is displayed in section 16.

## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General	Remove affected person from source of contamination.
Inhalation	Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.
Skin contact	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.
Eye contact	Important! Immediately rinse with water for at least 15 minutes. May cause permanent damage if eye is not immediately irrigated. Make sure to remove any contact lenses from the eyes before rinsing. Immediately transport to hospital or eye specialist. Continue flushing during transport to hospital.
Ingestion	Immediately rinse mouth and drink plenty of water. Call an ambulance. Bring along these instructions. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Do not give victim anything to drink if he is unconscious.
Recommended personal protective equipment for first aid responders	Wear necessary protective equipment. For personal protection, see section 8.

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

Acute symptoms and effects	Strongly corrosive. May cause deep tissue damage. Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.
Delayed symptoms and effects	The etching penetrates deeply into the tissue and is first noticed after a while.

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

Other information In case of unconsciousness, ingestion or eye contact: Immediately call a doctor / ambulance. Show this safety data sheet.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

## 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards

This product is not flammable. During fire, gases hazardous to health may be formed. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

## 5.3. Advice for firefighters

Personal protective equipment

Wear necessary protective equipment. For personal protection, see section 8.

Fire fighting procedures

Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures

Look out! The product is corrosive. Use protective gloves, goggles and suitable protective clothing. In case of inadequate ventilation use suitable respirator. For personal protection, see section 8.

### 6.2. Environmental precautions

Environmental precautionary measures

Avoid discharge into water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.

### 6.3. Methods and material for containment and cleaning up

Cleaning method

Dam and absorb spillage with sand, sawdust or other absorbent. Wash contaminated area with water.

## 6.4. Reference to other sections

Other instructions

See section 8 and section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling

Avoid spilling, skin and eye contact. Use work methods which minimize spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible. Do not mix with acidic products.

## Protective safety measures

Advice on general occupational hygiene

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

Eating, smoking and water fountains prohibited in immediate work area.

Take off contaminated clothing and personal protective equipment before entering an eating area..

## 7.2. Conditions for safe storage, including any incompatibilities

## Storage

Store in tightly closed original container. Keep away from food, drink and animal feeding stuffs. Store protected from acids.

### Conditions for safe storage

## Storage temperature

Value: -20 - 45 °C

## Storage stability

Durability: 36 months.

## 7.3. Specific end use(s)

## Specific use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Sodium hydroxide	CAS No.: 1310-73-2	<b>Limit value (short term)</b> Value: 2 mg/m <sup>3</sup>	

### DNEL / PNEC

## Substance

Sodium hydroxide

## DNEL

**Group:** Professional

**Route of exposure:** Long-term inhalation (local)

**Value:** 1 mg/m<sup>3</sup>

**Group:** Consumer

**Route of exposure:** Long-term inhalation (local)

**Value:** 1 mg/m<sup>3</sup>

**Group:** Professional

**Route of exposure:** Acute dermal (local)

**Value:** 2 %

**Group:** Consumer

**Route of exposure:** Acute dermal (local)

**Value:** 2 %

Summary of risk management measures, environment

Data lacking.

### 8.2. Exposure controls

#### Safety signs



#### Precautionary measures to prevent exposure

Technical measures to prevent exposure

Personal protection equipment should be chosen according to the CEN

standards and in discussion with the supplier of the personal protective equipment. An eye wash bottle must be available at the work site.

## Eye / face protection

Suitable eye protection

Wear approved safety goggles. EN 166.

## Hand protection

Skin- / hand protection, long term contact

Use protective gloves made of:  
Butyl rubber.  $\geq 0,5$  mm  
Neoprene.  $\geq 0,5$  mm  
Nitrile.  $\geq 0,4$  mm  
EN 374.

Breakthrough time

Value:  $\geq 480$  minute(s)

Hand protection, comments

Manufacturer's directions for use should be observed because of great diversity of types.  
The recommendation is a qualified estimate based on knowledge of the components.

## Skin protection

Additional skin protection measures

Wear apron or protective clothing in case of contact. Wear rubber footwear.

## Respiratory protection

Respiratory protection necessary at

Under normal conditions of use respiration protection should not be required.

## Thermal hazards

Thermal hazards

See section 5.

## Appropriate environmental exposure control

Environmental exposure controls

See section 6.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state

Fluid.

Colour

Yellowish.

Odour

No characteristic odour.

Odour limit

Comments: Not relevant.

pH

Status: In delivery state

Value:  $> 13$

Status: In aqueous solution

Value:  $\sim 12,5$

Comments: 1%

Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: Not relevant.
Evaporation rate	Comments: Not relevant.
Flammability	Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.
Particle characteristics	Comments: Not relevant.
Density	Value: ~ 1,25 kg/l
Solubility	Comments: Completely soluble in water.
Partition coefficient: n-octanol/water	Comments: Not relevant.
Auto-ignition temperature	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Value: < 30 mPas.
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

## 9.2. Other information

### 9.2.2. Other safety characteristics

Comments	No data recorded.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Reacts violently with strong acids. Reacts strongly with water. Do not add water directly to the product. It may cause a violent reaction. Risk of bumping (splashes).
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### 10.4. Conditions to avoid

Conditions to avoid	Heating. Extremes of temperatures. Avoid contact with acids.
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### 10.5. Incompatible materials

Materials to avoid	Strong acids. Acids, oxidising. Alkali-sensitive metals such as aluminium, tin, lead
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and zinc and alloys with these metals.

## 10.6. Hazardous decomposition products

Hazardous decomposition products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Other toxicological data

Toxicological tests on the product has not been performed.

### Other information regarding health hazards

Assessment of acute toxicity, classification

No evidence for acute toxicity.

Substance

Sodium hydroxide

Skin corrosion / irritation test result

**Evaluation result:** Corrosive to skin.

Substance

Sodium hydroxide

Eye damage or irritation, test results

**Evaluation result:** Result: Corrosive to eyes.

Inhalation

Aerosols may be corrosive. Inhalation may cause: Serious damage to the lining of nose, throat and lungs.

Skin contact

Strongly corrosive. May cause deep tissue damage.

Eye contact

Strongly corrosive. Causes severe burns. Immediate first aid is imperative. May cause permanent damage to the eyes, especially if the product is not washed away IMMEDIATELY.

Ingestion

Strongly corrosive. Even small amounts may be fatal. Symptoms are severe burning pains in mouth, throat and stomach.

Sensitisation

No evidence for respiratory nor skin sensitization.

Assessment of germ cell mutagenicity, classification

No evidence for germ cell mutagenicity.

Assessment of carcinogenicity, classification

No evidence for carcinogenicity.

Assessment of reproductive toxicity, classification

No evidence for reproductive toxicity.

Assessment of specific target organ toxicity - single exposure, classification

No evidence for STOT-single exposure.

Assessment of specific target organ toxicity - repeated exposure, classification

No evidence for STOT-repeated exposure.

Assessment of aspiration hazard, classification

No evidence for aspiration hazard.

### 11.2 Other information

Endocrine disruption	No evidence for endocrine disrupting properties.
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## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Sodium hydroxide
Aquatic toxicity, fish	<b>Toxicity type:</b> Acute <b>Value:</b> 35 - 189 mg/l <b>Exposure time:</b> 96 hour(s) <b>Method:</b> LC50
Substance	Sodium hydroxide
Aquatic toxicity, crustacean	<b>Toxicity type:</b> Acute <b>Value:</b> 40,4 mg/l <b>Test duration:</b> 48 hour(s) <b>Species:</b> ceriodaphnia sp. <b>Method:</b> EC50
Ecotoxicity	Not classified as dangerous to the environment.

### 12.2. Persistence and degradability

Persistence and degradability description/evaluation	This product mainly consists of inorganic compounds which are not biodegradable. The remaining compounds of the product are expected to be easily biodegradable.
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### 12.3. Bioaccumulative potential

Bioaccumulation, evaluation	The product is not bioaccumulating.
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### 12.4. Mobility in soil

Mobility	The product is water soluble and may spread in water systems.
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### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
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### 12.6. Endocrine disrupting properties

Endocrine disrupting properties	No evidence for endocrine disrupting properties.
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### 12.7. Other adverse effects

Additional ecological information	The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Do not empty into drains; dispose of this material and its container at hazardous
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or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.

Appropriate methods of disposal for the contaminated packaging

Dispose unused product and the packaging in accordance with local requirements.

EWC waste code

EWC waste code: 070601 aqueous washing liquids and mother liquors  
Classified as hazardous waste: Yes

EWL packing

EWC waste code: 070601 aqueous washing liquids and mother liquors  
Classified as hazardous waste: Yes

Other information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

## SECTION 14: Transport information

Dangerous goods

Yes

### 14.1. UN number

ADR/RID/ADN

1719

IMDG

1719

ICAO/IATA

1719

### 14.2. UN proper shipping name

Proper shipping name English

CAUSTIC ALKALI LIQUID, N.O.S.

ADR/RID/ADN

Technical name/Danger releasing substance English

Sodium Hydroxide

ADR/RID/ADN

CAUSTIC ALKALI LIQUID, N.O.S.

Technical name/danger releasing substance

Sodium Hydroxide

ADR/RID/ADN

CAUSTIC ALKALI LIQUID, N.O.S.

Technical name/danger releasing substance

Sodium Hydroxide

ICAO/IATA

CAUSTIC ALKALI LIQUID, N.O.S.

Technical name/danger releasing substance

Sodium Hydroxide

### 14.3. Transport hazard class(es)

ADR/RID/ADN

8

Classification code ADR/RID/ADN

C5

IMDG

8

ICAO/IATA

8

### 14.4. Packing group

ADR/RID/ADN

II

IMDG

II

ICAO/IATA

II

## 14.5. Environmental hazards

IMDG Marine pollutant

No

## 14.6. Special precautions for user

Special safety precautions for user Not relevant.

## 14.7. Maritime transport in bulk according to IMO instruments

Product name

CAUSTIC ALKALI LIQUID, N.O.S.

## Additional information

Hazard label ADR/RID/ADN

8

Hazard label IMDG

8

Hazard label ICAO/IATA

8

## ADR/RID Other information

Tunnel restriction code

E

Transport category

2

Hazard No.

80

## IMDG Other information

EmS

F-A, S-B

## SECTION 15: Regulatory information

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

Other label information

For professional users only.

As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

Legislation and regulations

The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.

## 15.2. Chemical safety assessment

Chemical safety assessment  
performed

No

## SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.
Training advice	No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Additional information	READY-TO-USE MIXTURE: 0,08-0,5% H314 Causes severe skin burns and eye damage.
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with vertical lines in the left margin.
Version	2
Prepared by	ALM