

SAFETY DATA SHEET

NOVADAN®

Bistro Powder Cleaner 440

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 12.09.2012

Revision date 26.04.2021

1.1. Product identifier

Product name Bistro Powder Cleaner 440

UFI V9D1-H048-S008-7CUA

Article no. 41330

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

Use of the substance / preparation General purpose detergent powder.

Main intended use PC-CLN-OTH Other cleaning, care and maintenance products (excludes biocidal products)

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
Website	www.novadan.dk

1.4. Emergency telephone number

Emergency telephone	Description: UK: NHS: 111 EI: National Poisons Information Centre, 24/7: 01 809 2166
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 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 percarbonate
Signal word	Danger
Hazard statements	H318 Causes serious eye damage.
Precautionary statements	P280 Wear eye protection. 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	May cause permanent damage to the eyes, especially if the product is not washed away IMMEDIATELY. Dust has an irritating effect on moist skin. Inhalation of dust may irritate the respiratory system. See section 11 for additional information on health hazards.
Environmental effects	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 carbonate	CAS No.: 497-19-8	Eye Irrit. 2; H319	60 – 100 %	

	EC No.: 207-838-8		
	Index No.: 011-005-00-2		
	REACH Reg. No.: 01-211-9485498-19		
Sodium percarbonate	CAS No.: 15630-89-4	Eye Dam. 1; H318	15 – 30 %
	EC No.: 239-707-6	Acute tox. 4; H302	
	REACH Reg. No.: 01-2119457268-30-xxxx	Ox. Sol. 2; H272	
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether	CAS No.: 166736-08-9	Eye Irrit. 2; H319	1 – 5 %
Substance comments	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: 15-30%: phosphates , oxygen-based bleaching agents <5%: nonionic surfactant . 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	Fresh air. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.
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	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
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. Causes severe burns and serious eye damage. Immediate first aid is imperative.
Delayed symptoms and effects	No known long term effects.

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

Other information	In case of unconsciousness or eye contact: Immediately call a doctor / ambulance. Show this safety data sheet.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
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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.
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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	Wear necessary protective equipment. For personal protection, see section 8. Avoid contact with skin and eyes. Avoid inhalation of dust.
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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.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Collect spillage with shovel, broom or the like. Wash contaminated area with water.
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6.4. Reference to other sections

Other instructions	See section 8 and section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Avoid inhalation of dust and contact with skin and eyes. Use work methods which minimize spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible. Do not mix with acidic products.
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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..
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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. Store the product away from direct sunlight in opaque containers.
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Conditions for safe storage

Storage temperature Value: -5 – 35 °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
Mineral dust, inert		Limit value (8 h) : mg/m ³ Limit value (8 h) : 10	TWA Year: 2005

DNEL / PNEC

Substance Sodium carbonate

DNEL

Group: Worker
Route of exposure: Long term (repeated) – Inhalation
Value: 10 mg/m³
Reference: Supplier MSDS

Substance

Sodium percarbonate

DNEL

Group: Worker
Route of exposure: Long term (repeated) – Inhalation – Local effect
Value: 5 mg/m³

Group: Worker
Route of exposure: Short term (acute) – Dermal – Local effect
Value: 12,8 mg/cm²

Group: Consumer
Route of exposure: Short term (acute) – Dermal – Local effect
Value: 6,4 mg/cm²

PNEC

Route of exposure: Water
Value: 0,035 mg/l
Reference: Sea water

Route of exposure: Sewage treatment plant STP
Value: 16,24 mg/l

Route of exposure: Water
Value: 0,035 mg/l
Reference: Fresh water

Value: 0,035 mg/l
Reference: Intermittent use/release

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.
Provide eyewash, quick drench.

Eye / face protection

Suitable eye protection

Wear approved safety goggles. EN 166.

Hand protection

Skin- / hand protection, long term contact

Under normal conditions of use gloves are not normally required.

Skin protection

Additional skin protection measures

No special precautions.

Respiratory protection

Tasks needing respiratory protection

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	Powder, dust.
Colour	White.
Odour	No characteristic odour.
pH	Status: In aqueous solution Value: ~ 11,0 Comments: 15°dH Concentration: 4 %
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: Not relevant.

Flash point	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.
Bulk density	Value: ~ 1,05 kg/l.
Solubility	Medium: Water 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	Comments: Not relevant.
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. Risk of bumping (splashes).
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10.4. Conditions to avoid

Conditions to avoid	Water, moisture, acids and heating.
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10.5. Incompatible materials

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

Hazardous decomposition products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance

Sodium carbonate

Acute toxicity

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: 2800 mg/kg
Animal test species: Rat
Comments: Supplier MSDS

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation.
Duration: 2h
Value: 0,8 mg/l
Animal test species: guinea pig
Comments: Supplier MSDS

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation.
Duration: 2h
Value: 1,2 mg/l
Animal test species: Mice
Comments: Supplier MSDS

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation.
Duration: 2h
Value: 2,3 mg/l
Animal test species: Rat
Comments: Supplier MSDS

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 2000 mg/kg
Animal test species: Rabbit
Comments: Supplier MSDS

Substance

Sodium percarbonate

Acute toxicity

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: = 1034 mg/kg
Animal test species: Rat

Type of toxicity: Acute
Effect tested: LC50

Route of exposure: Inhalation.

Value: = 1,2 mg/l

Animal test species: Mouse

Type of toxicity: Acute

Effect tested: LD50

Route of exposure: Dermal

Value: > 2000 mg/kg

Animal test species: Rabbit

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.

Inhalation

Dust may irritate respiratory system or lungs.

Skin contact

Skin irritation is not anticipated when used normally.

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

Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.

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.

SECTION 12: Ecological information

12.1. Toxicity

Substance

Sodium carbonate

Aquatic toxicity, fish

Value: 300 mg/l

Test duration: 96H

Species: Lepomis macrochirus

Substance	Method: LC50 Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Aquatic toxicity, fish	Toxicity type: Acute Value: > 10 – 100 mg/l Effect dose concentration: LC50 Test duration: 96 hour(s) Method: OECD TG 203
Substance	Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Aquatic toxicity, algae	Toxicity type: Acute Value: > 10 – 100 mg/l Effect dose concentration: EC50 Test duration: 72 hour(s) Method: OECD TG 201
Substance	Sodium carbonate
Aquatic toxicity, crustacean	Value: 200 – 227 mg/l Test duration: 48H Species: Ceriodaphnia dubia Method: EC50
Ecotoxicity	The product is not expected to be hazardous to the environment.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product is 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

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 or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.
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Appropriate methods of disposal for the contaminated packaging	Dispose unused product and the packaging in accordance with local requirements. Empty containers are rinsed with plenty of water and disposed to normal or commercial waste.
EWC waste code	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes
EWL packing	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes
Other information	Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

SECTION 14: Transport information

Dangerous goods No

14.1. UN number

Comments The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
The labelling "Eye Dam 1 – H318" does not require classification as dangerous goods.

14.2. UN proper shipping name

Comments Not relevant.

14.3. Transport hazard class(es)

Comments Not relevant.

14.4. Packing group

Comments Not relevant.

14.5. Environmental hazards

14.6. Special precautions for user

Special safety precautions for user Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

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.

Legislation and regulations	<p>The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.</p> <p>EH40/2005, Workplace exposure limits 2005, with amendments.</p> <p>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.</p> <p>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.</p> <p>REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).</p>
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	<p>H272 May intensify fire; oxidiser.</p> <p>H302 Harmful if swallowed.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p>
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: Does not require a hazard warning label.
Information added, deleted or revised	Change to Sections: 1, 2, 3, 7, 8, 11, 12, 13, 16
Version	1
Prepared by	ALM