SAFETY DATA SHEET

Bistro Powder Cleaner 440

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name	Bistro Powder Cleaner 440
Product no.	41330
Unique formula identifier (UFI)	V9D1-H048-S008-7CUA

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

▼Relevant identified uses of the substance or mixture	General purpose detergent powder. Restricted to professional users.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company and address	**Novadan ApS** Platinvej 21 DK-6000 Kolding Denmark
E-mail	sds@novadan.dk
Revision	05/12/2024
SDS Version	3.0
Date of previous version	16/02/2023 (2.0)

1.4. ▼Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. ▼Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.

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 pictogram(s)



▼Signal word	Warning
▼Hazard statement(s)	Causes serious eye irritation. (H319)
Precautionary statement(s)	
General	-
▼Prevention	-
▼Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

	If eye irritation persists: Get medical advice/attention. (P337+P313)
Storage	-
Disposal	-
▼Hazardous substances	None known.
Additional labelling	
	UFI: V9D1-H048-S008-7CUA
▼Labelling of contents according to Detergents Regulation (EC) No 648/2004	15% - 30% · Oxygen-based bleaching Agents 5% - 15% · Phosphates < 5% · Non-ionic surfactants

2.3. Other hazards

▼Additional warnings	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 UK-REACH: Index No.: 011-005-00-2	60-80%	Eye Irrit. 2, H319	
Sodium percarbonate	CAS No.: 15630-89-4 EC No.: 239-707-6 UK-REACH: Index No.:	15-25%	Ox. Sol. 2, H272 Acute Tox. 4, H302 (ATE: 1034.00 mg/kg) Eye Dam. 1, H318 (SCL: 25.00 %) Eye Irrit. 2, H319 (SCL: 7.50 %)	
Alcohols C9-11, ethoxylated	CAS No.: 68439-46-3 EC No.: 614-482-0 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact	Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

▼Eye contact	If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.
Ingestion	If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.
Burns	Not applicable.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure. High amounts of dust can cause coughing and general irritation of the respiratory airways.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Some metal oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. ▼Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. ▼Methods and material for containment and cleaning up

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. ▼Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities

Store the product away from direct sunlight in opaque containers
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Keep separate from food, feedstuffs, fertilisers and other sensitive material

Recommended storage material	Always store in containers of the same material as the original container.
Storage conditions	-5 - 35 °C
Incompatible materials	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

▼DNEL

Sodium carbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	5 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³

Sodium percarbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	6.4 mg/cm²
Long term – Local effects - Workers	Dermal	12.8 mg/cm²
Short term – Local effects - General population	Dermal	6.4 mg/cm²
Short term – Local effects - Workers	Dermal	12.8 mg/cm²
Long term – Local effects - Workers	Inhalation	5 mg/m³

▼PNEC

Sodium percarbonate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		35 µg/L
Intermittent release (freshwater)		35 µg/L
Marine water		35 µg/L
Sewage treatment plant		16.24 mg/L

8.2. ▼Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations	Smoking, drinking and consumption of food is not allowed in the work area.
Exposure scenarios	There are no exposure scenarios implemented for this product.
Exposure limits	Occupational exposure limits have not been defined for the substances in this product.
▼Appropriate technical measures	Apply standard precautions during use of the product. Avoid inhalation of gas or dust. Airborne gas and dust concentrations must be kept at a minimum. Provide efficient mechanical ventilation. If not possible use suitable respiratory equipment.
▼Hygiene measures	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
Measures to avoid environmental exposure	No specific requirements.

Individual protection measures, such as personal protective equipment

Generally	Use only UKCA marked protective equipment.
Respiratory Equipment	

Type	Class	Colour	Standards
No special when used as intended.			

Skin protection
No specific requirements.

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
No special when used as intended	-	-	-

Eye protection

Type	Standards
Safety glasses	EN166



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Powder
Colour	White
▼Odour / Odour threshold	No relevant or available data due to the nature of the product.
pH	~ 11,0
pH in solution	(4 %)
Density (g/cm³)	~ 1,05
Kinematic viscosity	Does not apply to solids.
▼Particle characteristics	No relevant or available data due to the nature of the product.

Phase changes

▼Melting point/Freezing point (°C)	No relevant or available data due to the nature of the product.
Softening point/range (°C)	Does not apply to solids.
Boiling point (°C)	Does not apply to solids.
▼Vapour pressure	No relevant or available data due to the nature of the product.
Relative vapour density	Does not apply to solids.
▼Decomposition temperature (°C)	No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)	Does not apply to solids.
▼Flammability (°C)	No relevant or available data due to the nature of the product.
▼Auto-ignition temperature (°C)	No relevant or available data due to the nature of the product.
Lower and upper explosion limit (% v/v)	Does not apply to solids.

Solubility

Solubility in water	Completely soluble
▼n-octanol/water coefficient (LogKow)	No relevant or available data due to the nature of the product.
▼Solubility in fat (g/L)	No relevant or available data due to the nature of the product.

9.2. Other information

VOC (g/L)	0
Other physical and chemical parameters	No data available.
▼Oxidizing properties	Opfylder ikke kriterierne for brandnærende (oxiderende)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. ▼Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

▼Acute toxicity

Product/substance	Sodium carbonate
Test method:	OECD 401
Species:	Rat, male/female
Route of exposure:	Oral
Test:	LD50
Result:	2800 mg/kg
Other information:	Source: ECHA

Product/substance	Sodium carbonate
Test method:	OECD 403
Species:	Rat, male
Route of exposure:	Inhalation
Test:	LC50
Result:	2,3 mg/L
Other information:	Source: ECHA

Product/substance	Sodium carbonate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kg
Other information:	Source: ECHA

Product/substance	Sodium percarbonate
Species:	Rat, male/female
Route of exposure:	Oral
Test:	LD50
Result:	1034 mg/kg
Other information:	Source: ECHA

Product/substance	Sodium percarbonate
Species:	Rabbit, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kg
Other information:	Source: ECHA

Product/substance	Alcohols C9-11, ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	> 2000 mg/kg
Other information:	Source: Supplier SDS

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

▼Serious eye damage/irritation
Product/substance	Sodium carbonate
Test method:	OECD 405
Species:	Rabbit
Result:	Adverse effect observed (Irritating)
Other information:	Source: ECHA

Product/substance	Sodium percarbonate
Test method:	OECD 405
Species:	Rabbit, New Zealand White
Result:	Adverse effect observed (Highly irritating)
Other information:	Source: ECHA

Causes serious eye irritation.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

▼Long term effects
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties
No evidence for endocrine disrupting properties.

Other information
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. ▼Toxicity
Product/substance	Sodium carbonate
Species:	Fish, Lepomis macrochirus
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	300 mg/L
Other information:	Source: ECHA

Product/substance	Sodium carbonate

Species:	Crustacean, Ceriodaphnia dubia
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	200 - 227 mg/L
Other information:	Source: ECHA

Product/substance	Sodium percarbonate
Species:	Fish, Pimephales promelas
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	70,7 mg/L
Other information:	Source: ECHA

Product/substance	Sodium percarbonate
Species:	Daphnia, Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	4,9 mg/L
Other information:	Source: ECHA

Product/substance	Sodium percarbonate
Species:	Algae, Chlorella vulgaris
Duration:	72 hours
Test:	EC50
Result:	7,7 mg/L
Other information:	Source: ECHA

Product/substance	Alcohols C9-11, ethoxylated
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	> 1 - 10 mg/L
Other information:	Source: Supplier SDS

Product/substance	Alcohols C9-11, ethoxylated
Species:	Algae, Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	> 1 - 10 mg/L
Other information:	Source: Supplier SDS

Product/substance	Alcohols C9-11, ethoxylated
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	> 1 - 10 mg/L
Other information:	Source: Supplier SDS

12.2. Persistence and degradability

The product is easily biodegradable.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

The product is not bioaccumulating

12.4. Mobility in soil

No data available.

12.5. ▼Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

No evidence for endocrine disrupting properties.

12.7. Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. ▼Waste treatment methods
Product is covered by the regulations on hazardous waste. (*)
HP 4 - Irritant (skin irritation and eye damage)
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

▼EWC code	20 01 29*	Detergents containing dangerous substances

▼Contaminated packing

▼EWC code	15 01 10*	Packaging containing residues of or contaminated by dangerous substances

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group
** Environmental hazards

Additional information
Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application	Restricted to professional users.
Demands for specific education	No specific requirements.
SEVESO - Categories / dangerous substances	Not applicable.
▼Labelling of contents according to Detergents Regulation (EC) No 648/2004	15% - 30% · Oxygen-based bleaching Agents 5% - 15% · Phosphates < 5% · Non-ionic surfactants
Additional information	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
▼Sources	Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H272, May intensify fire; oxidiser.
H302, Harmful if swallowed.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.

▼Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
Durability: 36 months

The safety data sheet is validated by

SUSM

▼Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a

triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en