SECTION 1: Identification of the substance/mixture and of the supplier

1.1 Product identifiers

Product name: FireBlock Cleaner N10
UFI Code: 2V00-C0G4-400F-FGYH
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration.

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

Identified uses : Heavy-Duty Multi-purpose Cleaner & Degreaser

1.3 Details of the supplier

- Bridgehill AS
- Address: Elveveien 34, 3262 Larvik, Norway
- Telephone Number: +47 33 50 98 70
- Email: post@bridgehill.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Serious eye damage (Category 1), H318
Specific target organ toxicity- single exposure (Category 3), Respiratory system, H335

- For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Xn Harmful R22
Xi Irritant R41, R37/38

- For the full text of the R-phrases mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008
Pictogram: see the picture →
Signal word: Danger



Hazard statement(s)
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary statement(s)
P261 Avoid breathing dust.
P280 Wear protective gloves/ eye protection/ face 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.
Supplemental Hazard Statements: None.

According to European Directive 67/548/EEC as amended
Hazard symbol(s) Xn Harmful

R-phrase(s)
R22 Harmful if swallowed.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.

S-phrase(s)
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.

2.3 Other hazards- none

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Nonionic surfactant		
CAS-No. 016-45-9 EC-No. N/A	H302,H315	15-30%
Sodium hydroxide		
CAS-No. 1310-73-2	H302,H315,H318,H335	1-5%
EC-No. 215-185-5		
EC-No. N/A		
Water		
CAS-No. 7732-18-5 EC-No. 231-791-2	N/A	To 100%

Hazardous ingredients according to Directive1999/45/EC

Component	Classification	Concentration
Nonionic surfactant		
CAS-No. 9016-45-9 EC-No. N/A	Xn,Xi,R22,R37/38,R41,S26,S39	15-30%
Sodium hydroxide		
CAS-No. 1310-73-2	Xn,Xi,R22,R37/38,R41,S26,S39	1-5%
EC-No. 215-185-5		
EC-No. N/A		
Water		
CAS-No. 7732-18-5 EC-No. 231-791-2	N/A	To 100%

- For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person in to fresh air. If not breathing, give artificial respiration.Consult a physcian.
In case of skin contact: Wash off with soap and plenty of water.
In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides, Sulphur oxides, Oxides of phosphorus, Sodium oxides.

5.3 Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information
No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Always check and refer to the local regulations.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Components with workplace control parameters.

8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment
Eye/face protection
Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Always check and refer to the local regulations.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Liquid Colour: Yellow to Brownish
b) Odour	Slight pungent
c) Odour Threshold	No Data Available
d) pH	11.0-13.0 at 1%
e) Melting point/freezing point	No Data Available
f) Initial boiling point and boiling range	No Data Available
g) Flash point	No Data Available
h) Evapouration rate	No Data Available
i) Flammability (solid, gas)	No Data Available
j) Upper/lower flammability or explosive limits	No Data Available
k) Vapour pressure	No Data Available
l) Vapour density	No Data Available
m) Relative density	1.01-1.05
n) Water solubility	Soluble
o) Partition coefficient: noctanol/water	No Data Available
p) Auto-ignition temperature	No Data Available
q) Decomposition temperature	No Data Available
r) Viscosity	No Data Available
s) Explosive properties	No Data Available
t) Oxidizing properties	No Data Available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
No data available.

10.5 Incompatible materials
No data available.

10.6 Hazardous decomposition products
Other decomposition products- no data available.
In the event of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
No data available.

Skin corrosion/irritation
No data available.

Serious eye damage/eye irritation
No data available.

Respiratory or skin sensitisation
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available.

Specific target organ toxicity- single exposure
No data available.

Specific target organ toxicity- repeated exposure
No data available.

Aspiration hazard
No data available.

Additional Information
RTECS
Not available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 **Toxicity:** no data available

12.2 **Persistence and degradability:** no data available

12.3 **Bioaccumulative potential:** no data available

12.4 **Mobility in soil:** no data available

12.5 **Results of PBT and vPvB assessment:** PBT/vPvB assessment not available, as chemical safety assessment not required/not conducted.

12.6 **Other adverse effects:** Toxic to aquatic life.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Dispose of contents and container in accordance with local regulations. Dispose of through a licensed waste disposal contractor. Always check and refer to the local regulations.

Contaminated packaging
Dispose of as unused product. Always check and refer to the local regulations.

SECTION 14: Transport information

14.1 UN number
ADR/RID: 1823 IMDG: 1823 IATA: 1823

14.2 UN proper shipping name
ADR/RID: Sodium hydroxide
IMDG: Sodium hydroxide
IATA: Sodium hydroxide

14.3 Transport hazard class(es)
ADR/RID: 82001 IMDG: 82001 IATA: 82001

14.4 Packaging group
ADR/RID: O52 IMDG: O52 IATA: O52

14.5 Environmental hazards
ADR/RID: no data available. IMDG Marine pollutant: no data available. IATA: no data available.

14.6 Special precautions for user
No data available.

SECTION 15: Regulatory information
IATA: no data available
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.

15.2 Chemical Safety Assessment
For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3
Eye Dam.: Serious eye damage.
Eye Irrit.: Eye irritation.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.

H335: May cause respiratory irritation.
Skin Irrit.: Skin irritation.
STOT SE Specific target organ toxicity- single exposure.

Full text of R-phrases referred to under sections 2 and 3
Xi Irritant
R22 Harmful if swallowed.
R36 Irritating to eyes.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
Xn Harmful

Further information
This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product.

Please refer to the technical datasheet, instructions for use, and the label on the product.

Bridgehill AS cannot anticipate or control the individual working conditions encountered and so each user should read this MSDS carefully, and if in doubt, contact the supplier using the information provided at section1.