

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

1.1. Product identifier

Product form : Powder
Product Name : Caustic Soda Pearl
Product code : KE72

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Many applications including drain clearance. For professional use only.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company

Alex C. Fergusson, LLC.
800 Development Avenue
Chambersburg, PA 17201
T 800-345-1329
www.afccocare.com

Manufacturer

AFCCO C&S Limited
AFCCO, Unit 1A,
Caddick Road, Knowsley Business Park
Prescot, Merseyside, L34 9HP
0151 549 1559

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corr. 1A H314
Eye Dam. 1 H318
Met. Corr. 1 H290
Acute tox. 4 H312

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Hazard statements (CLP) :

: Danger
: H314 - Causes severe skin burns and eye damage.
: H318 - Causes serious eye damage.
: H290 - May be corrosive to metals.
: H312 - Harmful in contact with skin

Precautionary statements (CLP) :

: P201 - Obtain special instructions before use.
: P202 - Do not handle until all safety precautions have been read and understood.
: P260 - Do not breathe vapours, mist, or spray.
: P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
: P280 - Wear protective gloves, protective clothing, and eye protection.
: P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
: P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
: P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
: P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
: P308+P313 - If exposed or concerned: Get medical advice/attention.

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P310 - Immediately call a POISON CENTER or doctor.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

EUH-statements : N/A

2.3. Other hazards

Other hazards not contributing to the classification : Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Results of PBT and vPvB assessment : This substance/mixture does not meet the PBT or vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------|---|-------|--|
| Sodium hydroxide | (CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 | 100,0 | Met. Corr. 1, H290 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|------------------|---|---|
| Sodium hydroxide | (CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 | (0,5 =< C < 2) Eye Irrit. 2, H319 (0,5 =< C < 2) Skin Irrit. 2, H315 (2 =< C < 5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314 |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries : Corrosive to eyes, respiratory system and skin.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Causes serious burns. Contact may cause immediate severe irritation progressing quickly to chemical burns.

Symptoms/injuries after eye contact : Causes serious eye damage.

Symptoms/injuries after ingestion : Ingestion is likely to be harmful or have adverse effects.

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

If you feel unwell, seek medical advice (show the label where possible).

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According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not considered flammable but may burn at high temperatures.
- Explosion hazard : Product is not explosive.
- Reactivity : May be corrosive to metals. Thermal decomposition generates corrosive vapours. May react with acids to release CO₂ gas and heat. May react with ammonia salt to form ammonia gas. May form carbon monoxide in contact with reducing sugars. Contact with metals may evolve flammable hydrogen gas.

5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
- Firefighting instructions : Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid all contact with skin, eyes, or clothing. Avoid breathing vapour, mist, or spray.

6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE).
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Clean up spills immediately and dispose of waste safely. Contact competent authorities after a spill.

6.4. Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : May be corrosive to metals.
- Precautions for safe handling : Do not breathe vapours, mist, spray. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Store in a dry, cool and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Keep container closed when not in use. Store locked up.
- Incompatible products : Strong acids. Strong bases. Strong oxidizers. Aluminum. Tin. Lead. Zinc.
- Special rules on packaging : Store in original container or corrosive resistant and/or lined container.

7.3. Specific end use(s)

Heavy duty gel for removing baked on grease from grills, fryers and ovens. For professional use only.

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According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

This product and its constituents do not have any established DNEL or PNEC values.

| Sodium hydroxide (1310-73-2) | | |
|------------------------------|--|---|
| Austria | MAK (mg/m ³) | 2 mg/m ³ (inhalable fraction) |
| Austria | MAK Short time value (mg/m ³) | 4 mg/m ³ (inhalable fraction) |
| Bulgaria | OEL TWA (mg/m ³) | 2,0 mg/m ³ (alkaline aerosols) |
| Croatia | KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³) | 2 mg/m ³ |
| France | VME (mg/m ³) | 2 mg/m ³ |
| Greece | OEL TWA (mg/m ³) | 2 mg/m ³ |
| Greece | OEL STEL (mg/m ³) | 2 mg/m ³ |
| USA ACGIH | ACGIH Ceiling (mg/m ³) | 2 mg/m ³ |
| Latvia | OEL TWA (mg/m ³) | 0,5 mg/m ³ |
| Spain | VLA-EC (mg/m ³) | 2 mg/m ³ |
| Switzerland | VLE (mg/m ³) | 2 mg/m ³ (inhalable dust) |
| Switzerland | VME (mg/m ³) | 2 mg/m ³ (inhalable dust) |
| United Kingdom | WEL STEL (mg/m ³) | 2 mg/m ³ |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 1 mg/m ³ |
| Denmark | Grænseværdie (ceiling) (mg/m ³) | 2 mg/m ³ |
| Estonia | OEL TWA (mg/m ³) | 1 mg/m ³ |
| Estonia | OEL Ceiling (mg/m ³) | 2 mg/m ³ |
| Finland | HTP-arvo (15 min) | 2 mg/m ³ |
| Hungary | AK-érték | 2 mg/m ³ |
| Hungary | CK-érték | 2 mg/m ³ |
| Ireland | OEL (15 min ref) (mg/m ³) | 2 mg/m ³ |
| Lithuania | NRV (mg/m ³) | 2 mg/m ³ |
| Norway | Gjennomsnittsverdier (Takverdi) (mg/m ³) | 2 mg/m ³ |
| Poland | NDS (mg/m ³) | 0,5 mg/m ³ |
| Poland | NDSch (mg/m ³) | 1 mg/m ³ |
| Slovakia | NPHV (priemerná) (mg/m ³) | 2 mg/m ³ |
| Slovenia | OEL TWA (mg/m ³) | 2 mg/m ³ (inhalable fraction) |
| Slovenia | OEL STEL (mg/m ³) | 2 mg/m ³ (inhalable fraction) |
| Sweden | nivågränsvärde (NVG) (mg/m ³) | 1 mg/m ³ (inhalable dust) |
| Sweden | takgränsvärde (TGV) (mg/m ³) | 2 mg/m ³ (inhalable dust) |
| Portugal | OEL - Ceilings (mg/m ³) | 2 mg/m ³ |

8.2. Exposure controls

Appropriate engineering controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal protective equipment

: Protective goggles. Face shield. Corrosionproof clothing. Gloves. Insufficient ventilation: wear respiratory protection.



Materials for protective clothing

: Corrosionproof clothing.

Hand protection

: Wear chemically resistant protective gloves.

Eye protection

: Chemical goggles or face shield.

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| | |
|---------------------------------|---|
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : Use an approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits. |
| Environmental exposure controls | : Do not allow the product to be released into the environment. |
| Consumer exposure controls | : Do not eat, drink or smoke during use. |
| Other information | : When using, do not eat, drink or smoke. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------|
| Physical state | : Solid |
| Appearance | : White Powder |
| Odour | : None |
| Odour threshold | : No data available |
| pH | : > 12.0 |
| Evaporation rate | : No data available |
| Melting point | : 0 °C (32 °F) |
| Freezing point | : No data available |
| Boiling point | : 100 °C (212 °F) |
| Flash point | : Non-flammable |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : Water: Complete |
| Partition coefficient: n-octanol/water | : No data available |
| Viscosity | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

May be corrosive to metals. Thermal decomposition generates corrosive vapours. May react with acids to release CO₂ gas and heat. May react with ammonia salt to form ammonia gas. May form carbon monoxide in contact with reducing sugars. Contact with metals may evolve flammable hydrogen gas.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, open flames, sources of ignition and incompatible materials.

10.5. Incompatible materials

strong acids. Strong bases. Strong oxidizers. Metals.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sodium hydroxide (1310-73-2)

| | |
|--------------------|---------------------------|
| LD50 dermal rabbit | 1350 mg/kg |
| ATE CLP (dermal) | 1.350,00 mg/kg bodyweight |

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| | |
|--|--|
| Skin corrosion/irritation | : Causes severe skin burns and eye damage. |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : N/A |
| Carcinogenicity | : N/A |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |
| Symptoms/Injuries After Inhalation | : May cause respiratory irritation. |
| Symptoms/Injuries After Skin Contact | : Causes serious burns. Contact may cause immediate severe irritation progressing quickly to chemical burns. |
| Symptoms/Injuries After Eye Contact | : Causes serious eye damage. |
| Symptoms/Injuries After Ingestion | : Ingestion is likely to be harmful or have adverse effects. |
| Chronic Symptoms | : N/A |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------------------------|---|
| Sodium hydroxide (1310-73-2) | |
| LC50 fish 1 | 45,4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1 | 40 mg/l |

12.2. Persistence and degradability

| | |
|-------------------------------|------------------|
| Caustic Soda Pearl | |
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| | |
|---------------------------|------------------|
| Caustic Soda Pearl | |
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations






13.1. Waste treatment methods

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|--|---|---|--|---|
| 14.1. UN number | | | | |
| 1823 | 1823 | 1823 | 1823 | 1823 |
| 14.2. UN proper shipping name | | | | |
| SODIUM HYDROXIDE | SODIUM HYDROXIDE | Sodium hydroxide | SODIUM HYDROXIDE | SODIUM HYDROXIDE |
| 14.3. Transport hazard class(es) | | | | |
| 8 | 8 | 8 | 8 | 8 |
|  |  |  |  |  |

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| ADR | IMDG | IATA | ADN | RID |
|------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|
| 14.4. Packing group | | | | |
| II | II | II | II | II |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

This product is classified according to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008.

Contains no substances with Annex XVII restrictions

Contains REACH Annex XIV substances:

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Revision date : 19/10/2015

Data sources : According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Full text of H- and EUH-statements:

| | |
|-----------------------|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| H290 | May be corrosive to metals |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |

EU GHS SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.