

SAFETY DATA SHEET

S20

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

1.1. Product identifier

Product name S20

Product number J002

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

Identified uses Oven and Grill Cleaner Drain cleaner

1.3. Details of the supplier of the safety data sheet

Supplier **SELDEN RESEARCH LIMITED**
STADEN LANE
BUXTON
DERBYSHIRE
SK17 9RZ
UNITED KINGDOM

Tel. 01298 26226
Fax. 01298 26540
email safety@selden.co.uk

1.4. Emergency telephone number

National emergency telephone number Mon to Fri 8.30am to 5.00pm - 01298 26226

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

C;R35.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

S20

P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face 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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 Get immediate medical advice/attention.
P405 Store locked up.

Contains SODIUM HYDROXIDE, POTASSIUM HYDROXIDE

2.3. Other hazards

No other hazards known. This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SODIUM HYDROXIDE CAS number: 1310-73-2 EC number: 215-185-5	10-30%
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314	Classification (67/548/EEC or 1999/45/EC) C;R35
POTASSIUM HYDROXIDE CAS number: 1310-58-3 EC number: 215-181-3	5-10%
Classification Acute Tox. 4 - H302 Skin Corr. 1A - H314	Classification (67/548/EEC or 1999/45/EC) C;R35 Xn;R22

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Chemical burns must be dealt with immediately, do not delay. CAUTION! First Aid personnel must be aware of own risk of burns.

Inhalation

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

Skin contact

Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation

S20

May cause an asthma-like shortness of breath. Severe irritation of nose and throat.

Ingestion

Causes chemical burns to mouth, throat and stomach.

Skin contact

Chemical burns.

Eye contact

Causes burns, likely to cause damage.

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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting

Use special protective clothing. Regular protection may not be safe.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Inform authorities if large amounts are involved.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes. Personal protective equipment must be worn when handling this material.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store away from the following materials: Acids.

Storage class

Controlled substance storage.

7.3. Specific end use(s)**Specific end use(s)**

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

Usage description

See product label for detailed usage and instructions.

SECTION 8: Exposure Controls/personal protection**8.1. Control parameters****Occupational exposure limits****SODIUM HYDROXIDE**

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m³

POTASSIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

8.2. Exposure controls**Protective equipment****Eye/face protection**

The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Use protective gloves. Rubber (natural, latex).

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures**SECTION 9: Physical and Chemical Properties****9.1. Information on basic physical and chemical properties****Appearance**

Clear liquid. Liquid

Colour

Brown.

Odour

Odourless.

pH

pH (concentrated solution): >13.0

Relative density

1.360 - 1.380 @ @ 20°C

9.2. Other information

Other information

None.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactions with the following materials may generate heat: Strong acids.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Avoid contact with acids. Avoid contact with other chemicals.

10.5. Incompatible materials**Materials to avoid**

Strong acids. Reacts strongly with light metals such as aluminium and zinc, producing hydrogen which is Highly Flammable.

10.6. Hazardous decomposition products

Heating may generate the following products: Toxic and corrosive gases or vapours.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicological effects**

No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

Acute toxicity - oral**ATE oral (mg/kg)**

6,142.50614251

Inhalation

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion

Causes severe burns. Harmful if swallowed.

Skin contact

Causes severe burns.

Eye contact

Causes severe burns. Risk of serious damage to eyes.

SECTION 12: Ecological Information**Ecotoxicity**

Not classed as Hazardous to the Environment but release to the environment should be avoided.

12.1. Toxicity

Aquatic toxicity has not been carried out on this product. Data for raw materials contained in this product, when available, can be provided when necessary.

12.2. Persistence and degradability**Persistence and degradability**

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product contains substances, which are water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General Derogation for Limited Quantities may be applicable to appropriate pack sizes, please check relevant modal legislation.

14.1. UN number

UN No. (ADR/RID) 1719

UN No. (IMDG) 1719

14.2. UN proper shipping name

Proper shipping name (ADR/RID) CAUSTIC ALKALI LIQUID,NOS (Sodium Hydroxide)

Proper shipping name (IMDG) CAUSTIC ALKALI LIQUID,NOS (Sodium Hydroxide)

Proper shipping name (ICAO) CAUSTIC ALKALI LIQUID,NOS (Sodium Hydroxide)

Proper shipping name (ADN) CAUSTIC ALKALI LIQUID,NOS (Sodium Hydroxide)

14.3. Transport hazard class(es)

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

14.6. Special precautions for user

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

National regulations

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

EU legislation

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) (as amended). 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 (as amended).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

SECTION 16: Other information**General information**

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision date 15/12/2014

Revision 9

Risk phrases in full

R22 Harmful if swallowed.
R35 Causes severe burns.

Hazard statements in full

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.