



SAFETY DATA SHEET

Date of issue: 17/07/23

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

1.1. Product identifier

Reference No: VS0002

ID No.: VS0002

Product name: **KILROCK Service-Pro Coffee Machine Descaler & Cleaner**

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

Identified uses: Descaling coffee machines.

1.3. Details of the supplier of the safety data sheet

Company: Kilrock Products Ltd, Unit 1B, Alma Road, Chesham,
HP5 3HB, England
Telephone : +44 (0)1494 793900 Telefax : +44 (0)1494 793400
E-mail: velda@kilrock.co.uk

1.4. Emergency telephone number

Emergency telephone No.: +44 (0)7836 526420

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2020/878

Eye Irritation (Category 2)

Skin Irritation (Category 2)

Chronic aquatic toxicity (Category 3)

2.2. Label elements

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

Pictogram



Signal word

warning

VS0002 – KILROCK Service-Pro Coffee Machine Descaler & Cleaner

Hazard statement(s)

H315	Causes skin Irritation
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects
Precautionary statement(s)	
P273	avoid release to the environment
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses If present and easy to do. Continue rinsing.

Supplement Hazard Statements

none

Hazard symbol(s) WARNING

R-phrases

R36/38	Irritating to eyes and skin.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic Environment

S-phrase(s)

S26	In the case of contact with eyes, rinse immediately with plenty of water and seek Medical advice
S28	After contact with the skin, wash immediately with plenty of soap and water.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets

2.3. Other hazards none

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : Amidosulfonic acid

Formula : H₃NO₃S

Molecular Weight : 97.09 g/mol

Sulphamic acid

CAS number: 5329-14-6

EC-No.: 226-218-8

REACH No.: Not available

Index-No 016-026-00-0

67/548/EEC classification

Symbol(s): Xi

R-phrases: R36/38-52/53

EC1272/2008 classification

Hazard Cats: Skin irritation category 2, Eye irritation category. 2, Aquatic chronic toxicity category 3

H-statements: H315-H319-H412

SECTION 4: First aid measures

4.1. Description of first aid measures

- Eye contact: Irrigate thoroughly with water for at least 15 minutes. If any discomfort persists, obtain medical attention.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

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- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. If symptoms appear, OBTAIN MEDICAL ATTENTION.
- Ingestion: Wash out mouth thoroughly with water. OBTAIN MEDICAL ATTENTION.

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

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Symptoms and signs of poisoning are: burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting. Inhalation may provoke the following symptoms; spasm, inflammation and edema of the bronchi, spasm, inflammation and edema of the larynx. Aspiration or inhalation may cause chemical pneumonitis

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2. Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x), Sulphur oxides

5.3. Advice for firefighters

Exercise caution when fighting any chemical fire. Only trained personnel should attempt to tackle a fire. Do not stay in dangerous zone without respiratory protective equipment. Prevent fire fighting water entering watercourses or ground-water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow the spillage to enter sewerage system.

6.3. Methods and material for containment and cleaning up

Cover with an inert material such as vermiculite, sand or earth. Carefully collect. Transfer to suitable containers for recovery or disposal.

Wash site of spillage thoroughly with water.

6.4. Reference to other sections

See section 13 for recommendations on disposal

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not breathe spray. The need to use LEV should be assessed.

Avoid contact with skin and eyes.

Change contaminated clothing. Wash hands after working with the product.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place

7.3. Specific end use(s)

Descaling coffee machines

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sulphamic acid:

WEL

None assigned

DN(M)EL - workers

Inhalation: Long term systemic: 7.5 mg/m³

PNEC

Water: 0.3mg/l (freshwater); 0.03mg/l (marine); 0.3mg/l (intermittent)

Sewage treatment plant: 200mg/l

Sediment: 0.3mg/kg (freshwater); 0.03mg/kg (marine)

Soil: 3mg/kg

Monitoring procedure:

See BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents, or equivalent.

8.2. Exposure controls

As appropriate to the situation and the quantity handled.

- Respirator: Respiratory protection is not normally required.
- Ventilation: Provide adequate general ventilation. Local exhaust ventilation may be necessary depending on conditions of use.
- Gloves: Rubber or plastic gloves are advised.
- Eye Protection: Chemical resistant goggles.
- Other Precautions: Overalls - if handling large quantities.

Environmental exposure controls:

Do not allow very large quantities to enter drains, or watercourses

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Form:	liquid
Colour:	clear
Odour:	almost odourless
Odour threshold:	No data available
Melting temperature:	215-225 C
Boiling temperature:	no data available
Density: (g/ml)	2.151 g/cm ³ at 25 C
Vapour pressure:	No data available
Relative vapour density:	No data available
Evaporation rate:	No data available
Solubility in water:	Miscible in all proportions
pH value:	no data available
Flash point:	Not applicable
Explosion limits: lower:	Not applicable
Auto-ignition temperature:	No data available

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Decomposition temperature:	No data available
Viscosity:	No data available
Log P(o/w):	No data available
Explosive properties:	None
Oxidising properties:	None

9.2. Other information

Additional data: None

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

None known

10.5. Incompatible materials

Strong oxidizing agents, strong bases

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Skin irritation:	mild skin irritation
Eye irritation:	moderate eye irritation
Sensitisation	no data available
Carcinogenicity	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.
Germ Cell mutagenicity	no data available
Reproductive toxicity	no data available
Repeated dose toxicity	not known to contain reproductive

Further toxicological information

None

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Biodegradability: The methods for determining biodegradability are not applicable to inorganic substances

(COSHH) regulations.

For details of other generally applicable Legislative/Regulatory Instruments, you should contact your National Helpdesk.

A list of those Helpdesks may be found at http://echa.europa.eu/help/nationalhelp_contact_en.asp

15.2. Chemical safety assessment

Not available

SECTION 16: Other information

First Issue

Source information

In-house data

IUCLID

Supplier SDS

Abbreviations:

DN(M)EL Derived no (minimum) effect limit

IUCLID International Uniform Chemical Information Database

PBT Persistent, bioaccumulative and toxic

vPvB Very persistent and very bioaccumulative

PNEC Predicted no effect concentration

WEL Workplace exposure limit

Classification method

Classified using the conventional method outlined in the Dangerous Preparations Directive and by reference to pH.

Text of R phrases listed in sections 2 & 3

R36/38: Irritating to eyes and skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of H statements listed in section 3

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.