SAFETY DATA SHEET

Date of issue: 01/03/12
Issue: 1

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-SPECIAL ESSPRESSO**

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

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Eye Irritation (Category 2)
Skin Irritation (Category 2)
Chronic aquatic toxicity (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment . Irritating to eyes and skin

2.2. Label elements

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

Pictogram 

Signal word warning

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

According to European Directive 67/548/EEC as amended

Hazard symbol(s)

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 : H_3NO_3S
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.

- 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. Symptons 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. Asperation or inhalation may cause chemical pneumontis

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), Sulphar 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/cm3 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

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

12.3. Bioaccumulative potential
Bioaccumulation is not expected

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
No data available

12.6. Other adverse effects
Harmful to aquatic life

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Chemical residues are generally classified as hazardous or special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a licensed chemical disposal company.

Dispose of packaging through an authorised waste contractor.

SECTION 14: Transport information

14.1. UN number
ADR/RID 2967

14.2. UN proper shipping name

ADR/RID SULPHAMIC ACID	IMDG SULPHAMIC ACID	IATA: Sulphamic Acid

14.3. Transport hazard class(es)

ADR/RID: 8	IMDG: 8	IATA: 8

14.4. Packing group

ADR/RID: III	IMDG: III	IATA: III

14.5. Environmental hazards

ADR/RID: NO	IMDG: marine pollutant; no	IATA: no

14.6. Special precautions for user
Not applicable

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

Regional Regulations

Compiled according to Regulation (EU) 453/2010

Local Regulations
Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health

(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.