

SAFETY DATA SHEET

Avkalkningsmedel för kaffebyggare

1. Identification of the substance/preparation and of the company/responsible party

Date issued	26.10.2009
Product name	Avkalkningsmedel för kaffebyggare
Synonyms	Descaler for coffee machines
Article no.	110412
Use of the substance/preparation	Descaler for coffee machines

Manufacturer

Company name	Aktiv Kemi AB
Postal address	Norrgatan 4
Postcode	SE-570 01
City	Rörvik
Country	SWEDEN
Tel	+46 382-219 80

Distributor

Company name	Crem International AB
Postal address	Box 10
Postcode	SE-670 40
City	Åmotfors
Country	Sweden
Tel	+46 (0)570 477 00
E-mail	roger.berntsson@creminternational.com
Website	http://www.creminternational.com
Prepared by	Teknologisk Institut, Göteborg v/ Milvi Rohla
Emergency telephone	NHS Direct (UK):0845 4647 (24h/24h)

2. Hazards identification

Description of hazard	Health hazards: The product is not classified as hazardous to health.
	Physical and Chemical Hazards: The product is not classified as flammable.
	Environmental hazards: The product is not classified as harmful to the environment.

3. Composition/information on ingredients

Substance	Identification	Classification	Contents
Sulphamic acid	CAS no.: 5329-14-6 EC no.: 226-218-8	Xi; R36/38, R52/53	5 - 15 %
Colorant (CI 45100, CI 19140)			17 ppm
Column headings	CAS no. = Chemical Abstracts Service; EU (EINECS or ELINCS number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%		

HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Environmental hazard
Substance comments	See section 16 for explanation of Risk-phrases listed above.

4. First aid measures

General	If in doubt, get medical advice.
Inhalation	Fresh air.
Skin contact	Rinse with water. Contact physician if symptoms appears.
Eye contact	Flush immediately with plenty of water. Contact physician if discomfort continues.
Ingestion	Drink a few glasses of water or milk. Do not induce vomiting. Get medical attention if any discomfort continues.

5. Firefighting measures

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Fire and explosion hazards	The product is not classified as flammable. Fire or high temperatures causes formation of: Sulphurous gases (SO _x). Nitrous gases (NO _x).
Personal protective equipment	Self-contained breathing apparatus may be required by rescue workers. In case of evacuation, use escape mask where possible.
Other Information	Containers close to fire should be removed immediately or cooled with water.

6. Accidental release measures

Personal protection measures	Use protective equipment as referred to in section 8.
Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground.
Cleaning method	Small quantities may be flushed to drains with plenty of water. Large quantities should not be discharged into the drain but removed with absorbing material. Collect in a suitable container and dispose as hazardous waste according to section 13.

7. Handling and storage

Handling	Avoid contact with eyes and prolonged skin contact.
Storage	Store in original container at room temperature.

8. Exposure controls/personal protection

Exposure controls

Respiratory protection	Not normally required. In case of inadequate ventilation or risk of inhalation of mist, wear suitable respiratory equipment.
Hand protection	Not normally required. In case of repeated or prolonged contact, use resistant gloves from e.g.: Nitrile.
Eye protection	Not normally required. Use safety goggles or face shield in case of splash risk.
Skin protection (except hands)	Normal working clothes.

9. Physical and chemical properties

Physical state	Liquid
Odour	Slight.
Colour	Red
Solubility in water	Easily soluble.
Specific gravity	Value: ~ 1050 kg/m ³
Boiling point / boiling range	Value: ~ 100 °C
pH (as supplied)	Value: ~ 1,5

pH (aqueous solution)	Value: ~ 2,2
Comments, pH (aqueous solution)	(1% solution)
Viscosity	Value: < 15 s
	Method of testing: SIS 184115

10. Stability and reactivity

Materials to avoid	The product is acid and can corrode several metals, textiles, concrete etc.
Hazardous decomposition products	Fire or high temperatures create: Sulfur oxides. Nitrous gases (NOx).
Stability	Stable under normal temperature conditions and recommended use.

11. Toxicological information

Toxicological Information:

LD50 oral	Value: 2065 mg/kg
	Animal test species: rat
	Comments: Sulphamic acid

Toxicological data for substances

Other information regarding health hazards

Inhalation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Skin contact	Prolonged and repeated contact can cause drying of the skin.
Eye contact	Moderately irritating.
Ingestion	May cause irritation of the mucous membranes, nausea, vomiting and diarrhoea.

12. Ecological information

Toxicological Information:

Acute aquatic, fish	Value: 14,4 mg/l
	Method of testing: LC50 (96h) Sulphamic acid
	Fish, species: Pimephales promelas

Other environmental information

Ecotoxicity	Large amounts of the product may affect the acidity (pH-factor) in water with possible risk of harmful effects to aquatic organisms.
Mobility	The product is soluble in water.
Persistence and degradability	The product consists mainly of inorganic materials which are not biodegradable.
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.

13. Disposal considerations

Specify the appropriate methods of disposal	Dispose of waste and residues in accordance with local authority requirements.
---	--

14. Transport information

Additional information.	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
-------------------------	---

15. Regulatory information

References (laws/regulations)	CHIP Regulations. Directive (EC) No 1907/2006 (REACH) Annex II: Safety data sheets. European Parliament and Council Regulation (EC) No 648/2004 of 31 March 2004 on detergents and amending Regulation (EC) No 907/2006 of 20 June 2006. Occupational Exposure Limits. EH40/2007.
-------------------------------	--

The Hazardous Waste Regulations
Dangerous Goods regulations

16. Other information

List of relevant R-phrases (under headings 2 and 3).	R36/38 Irritating to eyes and skin. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Important data sources used to construct the safety data sheet	Suppliers Safety data sheet dated: 03.10.2006
Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.
Responsible for safety data sheet	Crem International AB