



Version: 1 0

Effective Date: 03/10/2008
Previous Date:

SAFETY DATA SHEET

CORROSION GUARD SYSTEM CLEANER

1 IDENTIFICATION OF PREPARATION AND OF COMPANY

1.1 Identification of the substance or preparation

Product : CORROSION GUARD SYSTEM CLEANER

1.2 Use of substance/preparation

Universal cleanser for central heating systems

1.3 Company/undertaking identification

Salamander Engineering Ltd.
The Heath Business & Technical Park
Runcom
Cheshire WA7 4QX
United Kingdom
Tel: +44 (0) 1928 583 280
Fax: +44 (0) 1928 562 890
e-mail : enquiries@salamander-engineering.co.uk

1.4 Emergency telephone

+44 (0)1928 588339

Official advisory body :

National Poisons Information Centre
Medical Toxicology Unit
Guy's and St. Thomas' NHS Trust
Avonley Road, London, SE14 5ER
Tel.: 0207 358 9167, Fax : 0207 771 5309

2 HAZARDS IDENTIFICATION

Important hazards

- Health/physical hazard Not considered hazardous to health.
- Environmental hazards The product is not classified as dangerous for the environment.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description

Aqueous solution of amino compounds and polymer

Hazardous component(s)

D-glucose,decyl octyl ethers,oligomeric
Xi, R41

EINECS/ELINCS

NLP No. 500-220-1

CAS

68515-73-1

Conc.

1 - 5 %

Remarks

The classification of the above substance(s) is given, including the symbol letters and R phrases which are assigned in accordance with their physicochemical, health and environmental hazards. Please refer to section 16 (Relevant R phrases, used in sections 2 and 3 of this SDS), where the full text of each relevant R phrase is listed.



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4 FIRST AID MEASURES

Skin contact	Wash with water.
Eye contact	Flush immediately with plenty of running water.
Inhalation	Remove to fresh air.
Ingestion	Rinse mouth with water.

5 FIRE-FIGHTING MEASURES

Extinguishing Media	
- Suitable	Carbon dioxide, dry chemicals, foam, water spray (fog).
Special protective equipment for fire fighters	Self contained breathing apparatus. (CEN : EN 137) Protective clothing (CEN : EN 469) Protective gloves (CEN : EN 659) Helmet (CEN : EN 443)
Special exposure hazards	Oxides of carbon, nitrogen, phosphorus, and sulphur evolved in fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Protective clothing Please refer also to section no. 8 'Exposure controls' for further information.
Environmental precautions	Handle in accordance with good industrial hygiene and safety procedures. Accidental release of large quantities into the aquatic environment may harm aquatic organisms.
Methods for Cleaning Up	
- on soil	Absorb onto inert material and dispose of according to Controlled Waste Regulations. Remove small spills with plenty of water.

7 HANDLING AND STORAGE

7.1 Handling	Handle in accordance with good industrial hygiene and safety procedures.
7.2 Storage	Keep container tightly closed. Store in cool, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls	
- Recommended engineering controls	Ensure good ventilation.
- Respiratory protection	Not required.
- Hand protection	Protective gloves (Plastic, impervious) (Protection against unintentional short-term contact) CEN : EN 420
- Eye protection	Safety goggles. CEN : EN 166



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Exposure controls

- Skin protection Protective clothing if splashing or repeated contact with product is likely.
CEN : EN 340
- Environmental exposure controls Prevent from entering in public sewers or the immediate environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance	Liquid
Colour	Amber

9.2 Important health, safety and environmental info

pH (concentrated product)	6,9
Boiling point/range (°C)	100
Flash point (Pensky/Martens) (°C)	> 100
Density at 20°C (kg/m ³)	1189
Solubility in water (% weight)	Completely soluble
Viscosity at 20°C (mPas)	30

9.3 Other information

Melting point, (°C)	-9
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10 STABILITY AND REACTIVITY

10.1 Conditions to avoid	Protect from freezing.
10.2 Materials to avoid	None known.
10.3 Hazardous decomposition products	Oxides of carbon, nitrogen, phosphorus, and sulphur evolved in fire.

11 TOXICOLOGICAL INFORMATION

Mammalian Test Data

- Oral LD50, rat (mg/kg)	No information available.
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Exposure hazard

- Inhalation	Prolonged or repeated exposure may cause transient irritation.
- Skin contact	Prolonged or repeated contact may cause transient irritation.
- Eye contact	Prolonged or repeated contact may cause transient irritation.
- Ingestion	May cause slight gastrointestinal irritation.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available



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Summary

The product is not classified as dangerous for the environment.
The evaluation of environmental hazards is based on the concentration limits as set out in directive 1999/45/EC.

13 DISPOSAL CONSIDERATIONS

Disposal of product

According to Controlled Waste Regulations.

EWC (European Waste Code) recommendation : 16 03 06 16

Wastes not otherwise specified in the list.

16 03 Off-specification batches and unused products.

16 03 06 Organic wastes

Depending on the origin and state of the waste, other EWC numbers may be applicable too.

Disposal of packaging

According to Controlled Waste Regulations.

EWC (European Waste Code) recommendation : 15 01 02

15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified.

15 01 Packaging (including separately collected municipal packaging waste). 15

01 02 Plastic packaging.

Depending on the origin and state of the waste, other EWC numbers may be applicable too.

14 TRANSPORT INFORMATION

Substance id.no. (SIN) (UN No.)

Not applicable.

Correct shipping name

Not applicable.

Land transport

- RID/ADR classification

Not classified under this legislation.

Maritime transport

- IMO-IMDG class

Not classified under this legislation

Air transport

- ICAO/IATA classification

Not classified under this legislation

15 REGULATORY INFORMATION

EEC labelling information

- Symbol(s)

None.

- R Phrase(s)

No Risk phrases assigned.

- S Phrase(s)

S 2 :Keep out of the reach of children.

S 24/25 :Avoid contact with skin and eyes.

S 26 :In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28 :After contact with skin, wash immediately with plenty of water.

- EINECS number

All ingredients of this product are listed in EINECS or ELINCS, unless specifically exempted under the EEC Directive 67/548/EEC.

Other

Safety Data Sheet available for professional user on request.



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16 OTHER INFORMATION

SDS issued on	06/03/2008
Nature of revision	Initial issue
Based on EC Directive / Regulations	1999/45/EC 2001/58/EC 2001/118/EC (EC) No 1907/2006 (REACH)
Relevant R phrases, used in sections 2 and 3 of this SDS	R 41 : Risk of serious damage to eyes.