



SAFETY DATA SHEET

CORROSION GUARD SYSTEM PROTECTOR

Version: 1 0
Effective Date: 03/10/2008
Previous Date:

1 IDENTIFICATION OF PREPARATION AND OF COMPANY

1.1 Identification of the substance or preparation

Product : CORROSION GUARD SYSTEM PROTECTOR

1.2 Use of substance/preparation

Corrosion inhibitor 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

Neutral solution of inorganic and organic scale and corrosion inhibitors

Hazardous component(s)	EINECS/ELINCS #	CAS #	Conc.
Sodium molybdate Xi, R36/37/38-52/53	231-551-7	7631-95-0	< 20 %
Benzotriazole Xn, R20/22-36-52/53	202-394-1	95-14-7	< 20 %



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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.

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 and phosphorus 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.

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 limit values

- WEL (EH40UK) Molybdenum compounds (as Mo) soluble : WEL 5 mg/m³ (8-hour TWA); 10 mg/m³ (15-minute)



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Exposure controls

- | | |
|------------------------------------|--|
| - Recommended engineering controls | Adequate ventilation to maintain air contaminants below exposure limits. |
| - Respiratory protection | In case of insufficient ventilation, use a breathing mask with filter type: P2
CEN : EN 140; EN 143; EN 149 |
| - Hand protection | Protective gloves (Plastic, impervious) (Protection against unintentional short-term contact)
CEN : EN 420 |
| - Eye protection | Safety goggles.
CEN : EN 166 |
| - 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	Yellow

9.2 Important health, safety and environmental info

pH (concentrated product)	7,3
Boiling point/range (°C)	100
Flash point (Pensky/Martens) (°C)	> 100
Density at 20°C (kg/m ³)	1180
Solubility in water (% weight)	Completely soluble
Viscosity at 20°C (mPas)	8

9.3 Other information

Melting point, (°C)	-5
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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 and phosphorus evolved in fire.

11 TOXICOLOGICAL INFORMATION

Mammalian Test Data

- Oral LD50, rat (mg/kg)	> 2000 (estimated value)
- Dermal LD50, rabbit (mg/kg)	> 2000 (estimated value)

Exposure hazard

- Inhalation	Prolonged or repeated exposure may cause transient irritation.
- Skin contact	Prolonged or repeated contact may cause transient irritation.



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Exposure hazard

- 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

Bioaccumulative potential

- Bioaccumulation Not bioaccumulating
(Refers to active component) Sodium molybdate

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



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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.

16 OTHER INFORMATION

SDS issued on	11/10/2007
Nature of revision	Correction in Section: 3,11
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 36 : Irritating to eyes. R 20/22 : Harmful by inhalation and if swallowed. R 36/37/38 : Irritating to eyes, respiratory system and skin. R 52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.