



This safety data sheet is prepared in accordance with EU
directive 1907/2006



SAFETY DATA SHEET

Scale away

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : Scale away
Product use : Cleaner.

Company/undertaking identification

Manufacturer : HG International b.v. **Telephone No.:** : +31 (0)36 54 94 700
Address : Damsluisweg 70 **Fax** : +31 (0)36 54 94 744
1332 EJ Almere **Internet:** : www.hg.eu
Country : Netherlands **E-mail** : safety@hg.eu
Importer : HG UK
Address : Unit 11 Grange Way Business Park Whitehall Road Industrial Estate
Uk Colchester Essex CO2 8HF
Telephone No.: : +44.1206.795.200
Fax : +44.1206.795.201
Country : United Kingdom (UK)

2. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36/38

Human health hazards : Irritating to eyes and skin.

See section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	EC number	%	Classification
United Kingdom (UK)				
phosphoric acid	7664-38-2		5 - 15	C; R34
alcohols, c9-11, ethoxylated	68439-46-3		1 - 5	Xn; R22 Xi; R41
gluconic acid, d-	526-95-4		0 - 1	Xi; R36
Sulphamidic acid	5329-14-6		0 - 1	Xi; R36/38 R52/53
Myristamine Oxide	3332-27-2		0 - 1	Xi; R41, R38 N; R50

See section 16 for the full text of the R Phrases declared above

* Occupational Exposure Limit(s), if available, are listed in section 8

Date of issue

14-11-2007.

Version

1

Page: 1/6



SAFETY DATA SHEET

Scale away

4. First aid measures

First aid measures

Inhalation

: Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Ingestion

: Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Notes to physician

: Not available.

Specific treatments

: Not available.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards

: In a fire or if heated, a pressure increase will occur and the container may burst.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
sulfur oxides
phosphorus oxides

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



SAFETY DATA SHEET

Scale away

6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Not available.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u>	

Exposure controls

Occupational exposure controls : Avoid contact with eyes, skin and clothing.

Respiratory protection : Recommended: A respirator is not needed under normal and intended conditions of product use.

Hand protection : >8 hours (breakthrough time): Butyl rubber gloves.

Date of issue

14-11-2007.

Version

1

Page: 3/6

SAFETY DATA SHEET

Scale away

Eye protection : Recommended: safety glasses with side shields

Skin protection : Recommended: Work uniform or laboratory coat.

9. Physical and chemical properties

General information

Appearance

Physical state

: Liquid.

Color

: Clear Blue/green

Odor

: Perfumed

Important health, safety and environmental information

pH

: 1,15 [Conc. (% w/w): 100%]

Melting point

: Not available.

Boiling point

: Not available.

Flash point

: Closed cup: 61 to 93,3°C (141,8 to 199,9°F) [Pensky-Martens.]

Explosive properties

: Not available.

Oxidizing properties

: Not available.

Relative density

: 1,036 g/cm³ [20°C (68°F)]

Solubility

: Easily soluble in the following materials: hot water.
Soluble in the following materials: cold water.

Other information

10. Stability and reactivity

Stability

: The product is stable.

Conditions to avoid

: Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

: Reactive or incompatible with the following materials: Chlorine. alkalis.

Hazardous decomposition products

: Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
sulfur oxides
phosphorus oxides

11. Toxicological information

Potential acute health effects

Inhalation

: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion

: Irritating to mouth, throat and stomach.

Skin contact

: Irritating to skin.

Eye contact

: Irritating to eyes.

Carcinogenicity

: No known significant effects or critical hazards.

Mutagenicity

: No known significant effects or critical hazards.

Reproductive toxicity

: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation

: No known significant effects or critical hazards.

Ingestion

: No known significant effects or critical hazards.

Skin

: No known significant effects or critical hazards.

Date of issue

14-11-2007.

Version

1

Page: 4/6

SAFETY DATA SHEET

Scale away

Target organs : Contains material which causes damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea.

Other adverse effects : Not available.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Sulphamidic acid	PIMEPHALES PROMELAS (LC50)	96 hour(s)	>14.2 mg/l
	Pimephales promelas (LC50)	96 hour(s)	70.3 mg/l

No known significant effects or critical hazards.

Other adverse effects

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste classification :
: Not available.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.


14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-		-
ADN Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

15. Regulatory information

EU Regulations

Hazard symbol(s) : 

Irritant

Risk phrases : R36/38- Irritating to eyes and skin.

Date of issue

14-11-2007.

Version

1

Page: 5/6



This safety data sheet is prepared in accordance with EU
directive 1907/2006



SAFETY DATA SHEET

Scale away

Safety phrases	: S2- Keep out of the reach of children. S25- Avoid contact with eyes. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves. S46- If swallowed, seek medical advice immediately and show this container or label. S64- If swallowed, rinse mouth with water (only if the person is conscious).
Other EU regulations	: Not available.
Product use	: Consumer applications.
EC Statistical classification (Tariff Code)	: 32089091

16. Other information

Full text of R phrases referred to :
in sections 2 and 3 - United
Kingdom (UK)

Full text of classifications :
referred to in sections 2 and 3 -
United Kingdom (UK)

History

Date of printing : 20-11-2007.

Date of issue : 14-11-2007.

Version : 1

Verified by P. Stienstra.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Version 1

Page: 6/6