

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Hama Screen cleaning spray (250 ml)
- **Article number:** xxx42215
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Cleaning material/ Detergent
According to trade name/product specification
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Hama GmbH & Co KG
D-86652 Monheim
- **Further information obtainable from:**
Department: Quality Assurance
QS InfoSDB@hama.de
+49 9091 502-0
- **Emergency telephone number:**
+49 9091 502-6400 (Hama)
+49 89 19240 (toxin emergency call in Munich)

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.
- **Recommended additional labelling:**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Observe the remarks of the device manufacturer.
Before cleaning, disconnect device from the power supply and allow to cool.
Before using on a large surface, be sure to test on a small, inconspicuous area to ensure that the materials are compatible.
Do not exert strong pressure.
Disposal must be made according to official regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with additions in nonhazardous concentrations.

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Dangerous components:

CAS: 34590-94-8	(2-methoxymethylethoxy)propanol	3-<10%
EINECS: 252-104-2	substance with a Community workplace exposure limit	

Regulation (EC) No 648/2004 on detergents / Labelling for contents

perfumes (d-LIMONENE), PHENOXYETHANOL, METHYLPARABEN, ETHYLPARABEN, PROPYLPARABEN, ISOBUTYLPARABEN, BUTYLPARABEN	< 5%
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Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

Description of first aid measures

General information:

No special measures required.

Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately rinse with water.

Generally the product does not irritate the skin.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents:

No special measures required.

Use fire extinguishing methods suitable to surrounding conditions.

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

ABC powder

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Under certain fire conditions, traces of other toxic gases cannot be excluded.

Advice for firefighters

Protective equipment:

No special measures required.

Use fire extinguishing methods suitable to surrounding conditions.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

No special measures required.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

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· **Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.

· **Methods and material for containment and cleaning up:**

No special measures required.
Pick up mechanically.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Water, if necessary together with cleansing agents.

· **Reference to other sections**

No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

· **Handling:**

· **Precautions for safe handling** No special precautions are necessary if used correctly.

· **Information about fire - and explosion protection:**

No special measures required.
See section 5.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

No special requirements.
Store only in the original receptacle.

· **Information about storage in one common storage facility:**

No special measures required.
Storage and clustering must be made according to official regulations.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Protect from frost.

· **Storage class:** 10-13 (VCI)

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

34590-94-8 (2-methoxymethylethoxy)propanol

IOELV ()	Long-term value: 308 mg/m ³ , 50 ppm
	Skin

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Parameters refer to the product and its intended usage (usage/tradename - point 1 MSDS).
The usual precautionary measures are to be adhered to when handling chemicals.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

· **Respiratory protection:** No special precautions are necessary if used correctly.

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· **Protection of hands:**

No special precautions are necessary if used correctly.

If prolonged exposure not avoidable:

· **Material of gloves** Nitrile rubber, NBR

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

No special precautions are necessary if used correctly.

If exposure not avoidable:

Safety glasses

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

General Information

Parameter refer to the product.

· **Appearance:**

Form:

Liquid

Colour:

Colourless

· **Odour:**

Mild

· **pH-value at 20 °C:**

~7

· **Change in condition**

Melting point/Melting range: Undetermined.

· **Flash point:**

> 75 °C

· **Self-igniting:**

Product is not selfigniting.

· **Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Vapour pressure:**

Not determined.

· **Density at 20 °C:**

0,995 g/cm³

· **Solubility in / Miscibility with water:**

Fully miscible.

· **Viscosity:**

Dynamic:

Not determined.

Kinematic:

Not determined.

· **Solvent content:**

Organic solvents:

< 11 %

Water:

> 85 %

VOC (EC)

10,21 %

· **Other information**

No further relevant information available.

10 Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:**

No dangerous decomposition products known.

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See section 5.

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· **Additional information:** See Section 7 for information on safe handling.

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** Generally the product does not irritate the skin.

· **on the eye:** Irritation possible.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product is a preparation, for which no experimentally determined toxicity data is available.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** Undetermined.

· **Persistence and degradability** Undetermined.

· **Other information:** The product is biodegradable.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** Undetermined.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

At present there are no ecotoxicological assessments.

Avoid transfer into the environment.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation** Disposal must be made according to official regulations.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agents:**

See section 6.

Water, if necessary together with cleansing agents.

14 Transport information

· **UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

· **UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

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· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
1907/2006/EC (REACH)
648/2004/EC (Detergents)
1272/2008/EC (CLP)
As the case may be, additional, national legal provisions must be observed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Department: Quality Assurance
- **Contact:** Field: Chemistry