

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

- **1.1 Product identifier**
- **Trade name:** Hama Screen Cleaning Spray (250 ml)
- **Article number:** xxx42215
- **1.2 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
- **1.3 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
- **1.4 Emergency telephone number:**
 +49 9091 502-6400 (Hama)
 +49 89 19240 (toxin emergency call in Munich)

SECTION 2: Hazards identification

- **2.1 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.
- **2.2 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.
 Clean only after the device has cooled down.
 Do not exert strong pressure.
 Before using on a large surface, be sure to test on a small, inconspicuous area to ensure that the materials are compatible.
 Disposal must be made according to official regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: 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	substance with a Community workplace exposure limit	≤10%
EINECS: 252-104-2			

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

perfumes (d-LIMONENE, CITRAL), N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, BENZISOTHIAZOLINONE, Methylisothiazolinone	< 5%
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· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 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. Then consult a doctor.

· After swallowing:

Seek immediate medical advice.

Rinse out mouth and then drink plenty of water.

· 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

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

· For safety reasons unsuitable extinguishing agents: Water with full jet

· 5.2 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.

· 5.3 Advice for firefighters

· Protective equipment:

Wear self-contained respiratory protective device.

Use fire extinguishing methods suitable to surrounding conditions.

· Additional information

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

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

· 6.2 Environmental precautions:

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

Do not allow to penetrate the ground/soil.

· 6.3 Methods and material for containment and cleaning up:

No special measures required.

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Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

Water, if necessary together with cleansing agents.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 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.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Storage and clustering must be made according to official regulations.

· 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:

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

Protect from frost.

· Storage class: TRGS 510

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

SECTION 8: Exposure controls/personal protection

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

· 8.1 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.

· 8.2 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.

Immediately remove all soiled and contaminated clothing

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.

· Protection of hands:

No special precautions are necessary if used correctly.

If exposure not avoidable:

· Material of gloves Nitrile rubber, NBR

· Penetration time of glove material Not required.

· Eye protection:

No special precautions are necessary if used correctly.

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If exposure not avoidable:
Safety glasses

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

General Information

Parameter refer to the liquid in the tissue.

· Appearance:

Form:

Fluid

Colour:

Colourless

· Odour:

Mild

· pH-value at 20 °C:

~ 7

· Change in condition

Melting point/Melting range: Undetermined.

· Flash point:

> 65 °C

· Flammability (solid, gaseous):

Not applicable.

· Ignition temperature:

Decomposition temperature: Not determined.

· Self-igniting:

Product is not selfigniting.

· Danger of explosion:

Product does not present an explosion hazard.

· 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:

Water:

> 85 %

VOC (EC)

10,10 %

· 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity

No further relevant information available.

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous reactions

No dangerous reactions during intended handling.

· 10.4 Conditions to avoid

See Section 7 for information on safe handling.

· 10.5 Incompatible materials:

No further relevant information available.

· 10.6 Hazardous decomposition products:

See section 5.

EU

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SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity

· Primary irritant effect:

· Skin corrosion/irritation

Generally the product does not irritate the skin.

See section 2.

· Serious eye damage/irritation

Irritation possible.

See section 2.

· Respiratory or skin sensitisation No sensitising 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.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity: Undetermined.

· 12.2 Persistence and degradability Undetermined.

· 12.3 Bioaccumulative potential Undetermined.

· 12.4 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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Avoid transfer into the environment.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 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.

SECTION 14: Transport information

· 14.1 UN-Number

· ADR, ADN, IMDG, IATA Void

· 14.2 UN proper shipping name

· ADR Void

· ADN, IMDG, IATA Void

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|--|-----------------|
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:** Employment restrictions must be observed.
- **Other regulations, limitations and prohibitive regulations**
1907/2006/EC (REACH)
Annex XVII
1272/2008/EC (CLP)
648/2004/EC (Detergents)
98/2013/EU
As the case may be, additional, national legal provisions must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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 SDS:** Department: Quality Assurance
- **Contact:** Field: Chemistry