

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/22/2014

Reviewed on 01/22/2014

## 1 Identification

- **Product identifier**
- Trade name: **LIQUI POLISH MARBLE/GRANITE light, dark**
- Article number: 11800, 11805, 11810, 11815, 11820, 11809/11821, 11804/11822, 11814/11824, 11819/11823
- Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- Application of the substance / the mixture Polishing agent/ Burnishing compound
- **Details of the supplier of the safety data sheet**
- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH      Tel. +49(0)911-642960  
Lechstrasse 28      Fax. +49(0)911-644456  
D 90451 Nürnberg      e-mail info@akemi.de
- Information department: Laboratory
- Emergency telephone number: Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH  
Tel. +49(0)911-64296-59  
Reachable during the following office hours:  
Monday – Thursday from 07:30 a.m. to 16:30 p.m.  
Friday from 07:30 a.m. to 13:30 p.m.

## 2 Hazard(s) identification

- **Classification of the substance or mixture** The product is not classified according to the Globally Harmonized System (GHS).
- 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 was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **Label elements**
- GHS label elements Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- **Classification system:**
- NFPA ratings (scale 0 - 4)

0	0	0
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  - Health = 0
  - Fire = 0
  - Reactivity = 0
- HMIS-ratings (scale 0 - 4)

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0
- **Other hazards** The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

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### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 1332-58-7	Kaolin	1-5%
EC number: 310-127-6		

· 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: Take affected persons out into the fresh air.  
No special measures required.
- After inhalation: Not applicable
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: 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 No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- Suitable extinguishing agents: Not applicable
- **Special hazards arising from the substance or mixture** None
- **Advice for firefighters**
- Protective equipment: No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Product forms slippery surface when combined with water.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
- Precautions for safe handling No special precautions are necessary if used correctly.
- Information about protection against explosions and fires: No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- Storage:
- Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: None.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· Components with limit values that require monitoring at the workplace:

**1332-58-7 Kaolin**

PEL	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV	Long-term value: 2* mg/m <sup>3</sup> E; as respirable fraction

- Additional information: The lists that were valid during the creation were used as basis.
- **Exposure controls**
- Personal protective equipment:
- General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.
- Protection of hands: Not required.  
Preventive skin protection by use of skin-protecting agents is recommended.
- Material of gloves Not applicable
- Penetration time of glove material Not applicable
- For the permanent contact gloves made of the following materials are suitable: Not applicable
- Eye protection: Not required.
- Body protection: Protective work clothing

**9 Physical and chemical properties**

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

- General Information
- Appearance:
- Form: Fluid
- Color: According to product specification
- Odor: Odorless

- Change in condition
- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: 100 °C (212 °F)

- Flash point: Not applicable.

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· <u>Auto igniting:</u>	Product is not selfigniting.
· <u>Danger of explosion:</u>	Product does not present an explosion hazard.
· <u>Vapor pressure at 20 °C (68 °F):</u>	23 hPa (17 mm Hg)
· <u>Density at 20 °C (68 °F):</u>	1.6 g/cm <sup>3</sup> (13.352 lbs/gal)
· <u>Specific gravity at 20 °C (68 °F):</u>	1.6 g/cm <sup>3</sup> (13.352 lbs/gal)
· <u>Solubility in / Miscibility with Water:</u>	Fully miscible.
· <u>Viscosity:</u> <u>Dynamic at 20 °C (68 °F):</u>	1100 mPas
· <u>Solvent content:</u> <u>Organic solvents:</u> <u>Water:</u>	0.0 % 50.0 %
<u>Solids content:</u>	49.9 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used 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.

## 11 Toxicological information

- **Information on toxicological effects**
- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- Carcinogenic categories

· <u>IARC (International Agency for Research on Cancer)</u>	None of the ingredients is listed.
· <u>NTP (National Toxicology Program)</u>	None of the ingredients is listed.

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## 12 Ecological information

- **Toxicity**
- Aquatic toxicity: No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- **Additional ecological information:**
- General notes: Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1 (Self-assessment): slightly hazardous for water
- **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: Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- Recommendation: Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

## 14 Transport information

<b>UN-Number</b>	Void
<u>DOT, ADR, ADN, IMDG, IATA</u>	
<b>UN proper shipping name</b>	Void
<u>DOT, ADR, ADN, IMDG, IATA</u>	
<b>Transport hazard class(es)</b>	
<u>DOT, ADR, ADN, IMDG, IATA</u>	
<u>Class</u>	Void
<b>Packing group</b>	
<u>DOT, ADR, IMDG, IATA</u>	Void
<b>Environmental hazards:</b>	
<u>Marine pollutant:</u>	No
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
<b>UN "Model Regulation":</b>	-

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Sara

<b>Section 355 (extremely hazardous substances):</b>	None of the ingredient is listed.
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· <u>Section 313 (Specific toxic chemical listings):</u>		
1344-28-1	aluminium oxide	
· <u>TSCA (Toxic Substances Control Act):</u>		
All ingredients are listed.		
· <u>Proposition 65</u>		
· <u>Chemicals known to cause cancer:</u>		
None of the ingredients is listed.		
· <u>Chemicals known to cause reproductive toxicity for females:</u>		
None of the ingredients is listed.		
· <u>Chemicals known to cause reproductive toxicity for males:</u>		
None of the ingredients is listed.		
· <u>Chemicals known to cause developmental toxicity:</u>		
None of the ingredients is listed.		
· <u>Carcinogenity categories</u>		
· <u>EPA (Environmental Protection Agency)</u>		
None of the ingredients is listed.		
· <u>TLV (Threshold Limit Value established by ACGIH)</u>		
1344-28-1	aluminium oxide	A4
1332-58-7	Kaolin	A4
· <u>MAK (German Maximum Workplace Concentration)</u>		
1344-28-1	aluminium oxide	2
· <u>NIOSH-Ca (National Institute for Occupational Safety and Health)</u>		
None of the ingredients is listed.		
· <u>OSHA-Ca (Occupational Safety &amp; Health Administration)</u>		
None of the ingredients is listed.		
· <u>GHS label elements</u>	Void	
· <u>Hazard pictograms</u>	Void	
· <u>Signal word</u>	Void	
· <u>Hazard statements</u>	Void	
· <u>National regulations:</u>		
· <u>Water hazard class:</u>	Water hazard class 1 (Self-assessment): slightly hazardous for water.	
· <u>VOC USA</u>	0.0 g/l	
· <u>Chemical safety assessment:</u>	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.

<b>· Department issuing MSDS:</b>	Laboratory
<b>· Contact:</b>	Dieter Zimmermann
<b>· Date of preparation / last revision</b>	01/22/2014 / -
<b>· Abbreviations and acronyms:</b>	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organization ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)

USA