

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

### · Product identifier

- Trade name: **Colouring Pastes for Marble Filler**
- Article number: 11001, 11002, 11003, 11004, 11005, 11006, 11007, 11011, 11012

· Relevant identified uses of the substance or mixture and uses advised against

- Application of the substance / the preparation Stainer

### · 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

· Further information obtainable from:

- Emergency telephone number: Laboratory  
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 Hazards identification

### · Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Not applicable.

· Information concerning particular hazards for human and environment:

Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.  
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

· Hazard-determining components of labelling:

Void

· Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

· Safety phrases:

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

· Special labelling of certain preparations:

Safety data sheet available for professional user on request.

### · Other hazards

· Results of PBT and vPvB assessment

- PBT: Not applicable.

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· vPvB: Not applicable.

**3 Composition/information on ingredients**· Description: Mixture of substances listed below with nonhazardous additions.· Dangerous components:

CAS: 104-76-7	2-ethylhexan-1-ol	 Xi R36/38	<12.5%
EINECS: 203-234-3		 Skin Irrit. 2, H315; Eye Irrit. 2, H319	

· 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.  
Position and transport stably in side position.  
No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Rinse out mouth and then drink plenty of water.
- Information for doctor: Symptoms in alcohol intoxication:  
a) acute intoxication: euphoria, inhibitions, disturbances in co-ordination; in severe cases insensibility, respiratory dysfunction.  
b) chronic intoxication: CNS-, hepatic and cardiac dysfunctions with change of personality, alcohol induced hepatitis and reduced cardiac power.  
Therapy in alcohol intoxication:  
In acute intoxication observation of circulatory system, artificial breathing when indicated, gastrolavage, peritoneal or hemodialysis.
- Most important symptoms and effects, both acute and delayed Headache  
Dizziness  
Dizziness  
Nausea
- Hazards Danger of impaired breathing.  
Danger of disturbed cardiac rhythm.
- Indication of any immediate medical attention and special treatment needed If swallowed, gastric irrigation with added, activated carbon.

**5 Firefighting measures**

- **Extinguishing media**
- Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters**
- Protective equipment: Wear self-contained respiratory protective device.  
Do not inhale explosion gases or combustion gases.  
Wear fully protective suit.

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**6 Accidental release measures**

· **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation  
Use respiratory protective device against the effects of fumes/dust/aerosol.

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.

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

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

Dispose of the material collected according to regulations.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **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.  
No dangerous substances are released.

**7 Handling and storage**

· **Handling:**

· **Precautions for safe handling**

Keep receptacles tightly sealed.  
Use only in well ventilated areas.  
No special measures required.

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

No special measures required.

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

· **Storage:**

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

Store only in the original receptacle.  
Prevent any seepage into the ground.

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

Store away from oxidizing agents.  
Store away from foodstuffs.

· **Further information about storage conditions:**

None.

**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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:**

The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.  
Use skin protection cream for skin protection.  
Clean skin thoroughly immediately after handling the product.

· **Respiratory protection:**

Short term filter device:  
Filter A/P2

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- Protection of hands: Preventive skin protection by use of skin-protecting agents is recommended.  
After use of gloves apply skin-cleaning agents and skin cosmetics.  
Akemi skin protection agent recommendation for preventive skin shelter without use of protective gloves:  
STOKO EMULSION (<http://www.stoko.com>)  
ARRETIL (<http://www.stoko.com>)  
Akemi skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves:  
STOKO EMULSION (<http://www.stoko.com>)  
Akemi skin protection recommendation for skin cleaning after product handling:  
SOLOPOL (<http://www.stoko.com>)  
SLIG SPEZIAL (<http://www.stoko.com>)  
Akemi skin protection agent recommendation for skin aftercare:  
STOKO VITAN (<http://www.stoko.com>)  
The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.  
This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: <http://www.kcl.de>).  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves Butyl rubber, BR  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material Value for the permeation: Level  $\geq 3$ , 120 min  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR  
Butoject (KCL, Art No. 897, 898)
- As protection from splashes gloves made of the following materials are suitable: Butyl rubber, BR  
Butoject (KCL, Art No. 897, 898)  
Nitrile rubber, NBR  
Camatril (KCL, 730, 731, 732, 733)  
Chloroprene rubber, CR  
Camapren (KCL, Art No. 720, 722, 726)
- Not suitable are gloves made of the following materials: Leather gloves  
Strong material gloves
- Eye protection: Goggles recommended during refilling

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· **Body protection:** Protective work clothing

**\* 9 Physical and chemical properties**

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

· General Information

· Appearance:

Form: Pasty  
Structurally viscous

Colour: Various colours

· Odour: Characteristic

· pH-value: Not applicable

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 184°C

· Flash point: 76°C

· Ignition temperature: 250°C

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Density at 20°C: 1.63 g/cm<sup>3</sup> ([1,42 - 1,86 g/cm<sup>3</sup>])

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Viscosity:

Dynamic: Not determined.  
Not applicable

Kinematic: Not determined.  
Not applicable

· Solvent content:

Organic solvents: 9.6 %

Solids content: 90.4 %

**\* 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**

Exothermic polymerization.  
Reacts with acids.  
Reacts with strong alkali.  
Reacts with strong oxidizing agents.

· **Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

**\* 11 Toxicological information**

· **Information on toxicological effects**

· Acute toxicity:

· Primary irritant effect:

· on the skin: No irritant effect.

· on the eye: No irritating effect.

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- Sensitization: No sensitizing effects known.
- Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
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**
- Acquatic toxicity: No further relevant information available.
- **Additional ecological information:**
- General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.

\* **13 Disposal considerations**

- **Waste treatment methods**
  - Recommendation Must be specially treated adhering to official regulations.  
Smaller quantities can be disposed of with household waste.
- |                                   |                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| · <u>European waste catalogue</u> |                                                                                                                                         |
| 20 00 00                          | MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS |
| 20 01 00                          | separately collected fractions (except 15 01)                                                                                           |
| 20 01 27*                         | paint, inks, adhesives and resins containing dangerous substances                                                                       |
- **Uncleaned packaging:**
  - Recommendation: Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
  - Recommended cleansing agents: Alcohol  
acetone

\* **14 Transport information**

- **Land transport ADR/RID (cross-border)**
- ADR/RID class: -
- **Maritime transport IMDG:**
- IMDG Class: -
- Marine pollutant: No
- **Air transport ICAO-TI and IATA-DGR:**
- ICAO/IATA Class: -
- **UN "Model Regulation":** -
- **Special precautions for user** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.

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**15 Regulatory information**

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

**· National regulations:**

**· Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**· VOC EU** 157.0 g/l

**· 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.

**· Relevant phrases**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**· Recommended restriction of use**

R36/38 Irritating to eyes and skin.  
refer to Technical Data Sheet (TDS)

**· Department issuing MSDS:**

Laboratory  
Dieter Zimmermann

**· Contact:**

Elke Hake  
Fon ++49 (0)911 64296-59  
@mail E.Hake@akemi.de

**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
REACH directive 1907/2006/EC

**· Sources**

**· \* Data compared to the previous version altered.**

Adaptation in accordance with REACH directive 1907/2006/EC