

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.02.2008

Revision: 02.02.2005

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

- **Product details**
- **Trade name:** *Separating agent for ceramics*
- **Article number:** 540 0070 3
- **Application of the substance / the preparation** *For separating ceramic materials against plaster.*
- **Manufacturer/Supplier:**
*bredent GmbH & Co.KG
 Weißenhorner Straße 2
 89250 Senden
 Tel: +49 (0) 7309/872-0
 Fax: +49 (0) 7309/872-24*
- **Further information obtainable from:**
*R & D
 e-mail: R.D@bredent.com*
- **Information in case of emergency:** (001)3523233500 (24 h)

2 Hazards identification

- **Hazard description:**



*Xn Harmful
 F Highly flammable*

- **Information concerning particular hazards for human and environment:**
*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 Has a narcotizing effect.
 R 11 Highly flammable.
 R 38 Irritating to skin.
 R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R 65 Harmful: may cause lung damage if swallowed.
 R 67 Vapours may cause drowsiness and dizziness.*
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

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

- **Dangerous components:**

<i>Naphtha (petroleum), hydrotreated light</i>	Xn, Xi, F, N; R 11-38-51/53-65-67	10-25%
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- **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

4 First aid measures

- **General information:** *Immediately remove any clothing soiled by the product.*
- **After inhalation:**
*Supply fresh air and to be sure call for a doctor.
 In case of unconsciousness place patient stably in side position for transportation.*
- **After skin contact:**
*Immediately wash with water and soap and rinse thoroughly.
 If skin irritation continues, consult a doctor.*
- **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*

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- **After swallowing:** *Do not induce vomiting; call for medical help immediately.*

5 Fire-fighting measures

- **Suitable extinguishing agents:**
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*
- **Protective equipment:** *Wear self-contained respiratory protective device.*
- **Additional information** *Cool endangered receptacles with water spray.*

6 Accidental release measures

- **Person-related safety precautions:**
*Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.*
- **Measures for environmental protection:**
*Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.*
- **Measures for cleaning/collecting:**
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents*

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
*Ensure good ventilation/exhaustion at the workplace.
Store in cool, dry place in tightly closed receptacles.
Prevent formation of aerosols.*
- **Information about fire - and explosion protection:**
*Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.*
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store in a cool location.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**
*Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.*

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*
- **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.*
- **Personal protective equipment:**
- **General protective and hygienic measures:**
*The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing*

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Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

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**

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**

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

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** < 20°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Density:** Not determined.

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **Dangerous reactions** Reacts with strong oxidizing agents.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

Naphtha (petroleum), hydrotreated light

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/1h	>5 mg/L (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1993
- **Packaging group:** II
- **Hazard label:** 3

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· **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), special provision 640D

· **Maritime transport IMDG:**



· **IMDG Class:** 3
 · **UN Number:** 1993
 · **Label** 3
 · **Packaging group:** II
 · **EMS Number:** F-E,S-E
 · **Marine pollutant:** No
 · **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light)

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1993
 · **Label** 3
 · **Packaging group:** II
 · **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light)

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xn Harmful
 F Highly flammable

· **Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated light

· **Risk phrases:**

11 Highly flammable.
 38 Irritating to skin.
 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 65 Harmful: may cause lung damage if swallowed.
 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

9 Keep container in a well-ventilated place.
 16 Keep away from sources of ignition - No smoking.
 23 Do not breathe aerosol.
 33 Take precautionary measures against static discharges.
 36 Wear suitable protective clothing.
 37 Wear suitable gloves.
 43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
 60 This material and its container must be disposed of as hazardous waste.
 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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 R-phrases**

11 Highly flammable.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS: R & D**

· **Contact: R & D**

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