

## 1. Product and company identification

### Product identifier

Trade name: 87/699Gx - Plaster

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

General use: Plaster for orthopedic procedures.  
Reserved for industrial and professional use.

### Details of the supplier of the safety data sheet

Company name: Otto Bock Health Care  
Street/POB-No.: 3820 W. Great Lakes Drive  
Postal Code, city: Salt Lake City, UT 84120  
USA

WWW: [www.ottobockus.com](http://www.ottobockus.com)

Telephone: +1 (801) 956-2400

Telefax: +1 (801) 956-2401

Dept. responsible for information:

Quality Department,  
Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),  
Email: [USRegulatory@ottobock.com](mailto:USRegulatory@ottobock.com)

Additional information: This safety data sheet pertains to the following products:

Article No. 87G1: Synthetic Plaster  
Article No. 87G2: Porous Plaster  
Article No. 699G2: Stucco Plaster  
Article No. 699G4: Alabaster Modeling Plaster  
Corporate headquarters:  
Ottobock SE & Co. KGaA  
Max-Näder-Straße 15  
Duderstadt  
Germany

### Emergency phone number

**CHEMTREC, Telephone: +1 (800) 424-9300**

## 2. Hazards identification

### Emergency overview

Appearance: Form: solid, powder  
Color: white

Odor: odorless

Classification: This material is classified as not hazardous.

### Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

**Hazards not otherwise classified**

May cause irritations.  
After contact with water: product hardens.  
see section 11: Toxicological information

**3. Composition / Information on ingredients**

Chemical characterization: Contains Calcium sulfate >85%

**4. First aid measures**

In case of inhalation: Provide fresh air.  
Following skin contact: Thoroughly wash skin with soap and water. Seek medical treatment in case of troubles.  
After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.  
After swallowing: Repeatedly drink water. Seek medical treatment in case of troubles.

**Most important symptoms/effects, acute and delayed**

In case of inhalation: May cause irritations.  
In case of ingestion: May cause irritations.  
After contact with skin: May cause irritations.  
After eye contact: mild irritant

**Information to physician**

Treat symptomatically.

**5. Fire fighting measures**

Flash point/flash point range: No data available  
Auto-ignition temperature: No data available  
Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings.

**Specific hazards arising from the chemical**

The product itself does not burn.  
In case of fire may be liberated: sulphur trioxide, sulphur dioxide.

Protective equipment and precautions for firefighters: Wear self-contained breathing apparatus.  
Additional information: After contact with water: product hardens.

**6. Accidental release measures**

Personal precautions: Avoid generation of dust. Provide fresh air.  
Avoid contact with skin and eyes.  
Wear appropriate protective equipment.  
Environmental precautions: Do not allow to penetrate into soil, waterbodies or drains.

Methods for clean-up: Collect dry and place in appropriate containers for disposal. Subsequent cleaning.

## 7. Handling and storage

### Handling

Advices on safe handling: Avoid generation of dust. Provide fresh air.  
Wear appropriate protective equipment.

### Storage

Requirements for storerooms and containers:

Keep container dry.

Hints on joint storage:

Do not store together with strong oxidizing agents.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7778-18-9	Calcium sulfate	USA: ACGIH: TWA	10 mg/m <sup>3</sup>
		USA: NIOSH: TWA	10 mg/m <sup>3</sup>
		USA: NIOSH: TWA	5 mg/m <sup>3</sup>
		USA: OSHA: TWA	15 mg/m <sup>3</sup>
		USA: OSHA: TWA	5 mg/m <sup>3</sup>

### Engineering controls

Provide adequate ventilation.  
See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

- Eye/face protection: Tightly sealed safety glasses according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.
- Skin protection: Wear suitable protective clothing.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.  
According to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2
- General hygiene considerations:  
Avoid generation of dust.  
Avoid contact with skin and eyes.  
Wash hands before breaks and after work.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance: Form: solid, powder  
Color: white

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Odor:	odorless
Odor threshold:	No data available
pH value:	at 100 g/L: 7 - 8
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	2.3 - 3.0 g/cm <sup>3</sup>
Water solubility:	2 - 8 g/L
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	approx. 284 °F: decomposition products CaSO <sub>4</sub> and H <sub>2</sub> O > 1832 °F: decomposition products CaO and SO <sub>3</sub>
Additional information:	No data available

**10. Stability and reactivity**

Reactivity:	refer to section 10.3
Chemical stability:	The product itself does not burn. After contact with water: product hardens.
Possibility of hazardous reactions	After contact with water: product hardens.
Conditions to avoid:	Protect from: humidity.
Incompatible materials:	Strong oxidizing agents
Thermal decomposition:	approx. 284 °F: decomposition products CaSO <sub>4</sub> and H <sub>2</sub> O > 1832 °F: decomposition products CaO and SO <sub>3</sub>

## 11. Toxicological information

### Toxicological tests

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

### Symptoms

- In case of inhalation: May cause irritations.
- In case of ingestion: May cause irritations.
- After contact with skin: May cause irritations.
- After eye contact: mild irritant

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information:

Do not allow to penetrate into soil, waterbodies or drains.

## 13. Disposal considerations

### Product

Recommendation: May be disposed of in household waste landfill.

**Contaminated packaging**

Recommendation: Incinerate according to applicable local, state and federal regulations.  
Non-contaminated packages may be recycled.

**14. Transport information**

**USA: Department of Transportation (DOT)**

Proper shipping name: Not restricted

**Sea transport (IMDG)**

Proper shipping name: Not restricted

Marine pollutant: no

**Air transport (IATA)**

Proper shipping name: Not restricted

**Further information**

No dangerous good in sense of these transport regulations.

**15. Regulatory information**

**National regulations - U.S. Federal Regulations**

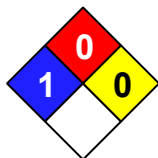
Calcium sulfate: TSCA Inventory: listed  
TSCA HPVC: not listed  
NIOSH Recommendations:  
Occupational Health Guideline:  
0095

**National regulations - Great Britain**

Hazchem-Code: -

**16. Other information**

Hazard rating systems:



NFPA Hazard Rating:  
Health: 1 (Slight)  
Fire: 0 (Minimal)  
Reactivity: 0 (Minimal)  
HMIS Version III Rating:  
Health: 1 (Slight)  
Flammability: 0 (Minimal)  
Physical Hazard: 0 (Minimal)  
Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 1.3: Corporate headquarters

Date of first version: 7/15/2008

**Department issuing data sheet**

Contact person: see section 1: Dept. responsible for information



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## 87/699Gx - Plaster

Material number 087/699Gx

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The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.