

1. Identification

Product identifier

Trade name: 87/699Gx - Plaster

This safety data sheet pertains to the following products:

Article No. 87G1: Synthetic Plaster

Article No. 699G2: Stucco Plaster

Article No. 699G4: Alabaster Modeling 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

Zip code, city: Salt Lake City, UT 84120

USA

WWW: www.ottobockus.com

Telephone: +1 (801) 956-2400

Telefax: +1 (801) 956-2401

Department responsible for information:

Quality Department,

Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),

Email: USRegulatory@ottobock.com

Additional information: Corporate headquarters:
Ottobock SE & Co. KGaA
Max-Näder-Straße 15
Duderstadt
Germany

Emergency telephone number

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

2. Hazard identification

Classification of the substance or mixture

This material is classified as not hazardous.

Label elements

Symbols: not applicable

Hazard statements: not applicable

Precautionary statements: not applicable

Other hazards

May cause irritations.

After contact with water: product hardens.

3. Composition/information on ingredients

Mixtures

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

Suitable (and unsuitable) extinguishing media

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, protective equipment and emergency procedures

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 and material for containment and cleaning up

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

7. Handling and storage

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

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

Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7778-18-9	Calcium sulfate	USA: ACGIH: TWA	10 mg/m ³ (inhalable fraction)
		USA: NIOSH: TWA	10 mg/m ³ (inhalable fraction)
		USA: NIOSH: TWA	5 mg/m ³ (respirable fraction)
		USA: OSHA: TWA	15 mg/m ³ (total dust)
		USA: OSHA: TWA	5 mg/m ³ (respirable fraction)

Appropriate engineering controls

Provide adequate ventilation.

Personal protection equipment (PPE)

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

Hand protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed safety glasses according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.

Body protection: Wear suitable protective clothing.

General hygiene considerations:

Avoid generation of dust.
Avoid contact with skin and eyes.
Wash hands before breaks and after work.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state at 68 °F and 101.3 kPa

Form: solid, powder

Color:

white

Odor:	odorless
Odor threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Explosion limits:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	approx. 284 °F: decomposition products CaSO ₄ and H ₂ O > 1832 °F: decomposition products CaO and SO ₃
pH:	at 100 g/L: 7 - 8
Viscosity:	No data available
Water solubility:	2 - 8 g/L
Partition coefficient: n-octanol/water:	No data available
Vapor pressure:	No data available
Density:	2.3 - 3.0 g/cm ³
Vapor density:	No data available
Particle characteristics:	Not applicable

Additional information

Additional information:	No data available
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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

11. Toxicological information

Information on toxicological effects

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

Persistence and degradability

Further details: No data available

Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

Mobility in soil

No data available

Other adverse effects

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

13. Disposal considerations

Waste treatment methods

Product

Recommendation: May be disposed of in household waste landfill.

Package

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

14. Transport information

UN number

DOT, IMDG, IATA-DGR: not applicable

UN proper shipping name

DOT, IMDG, IATA-DGR: Not restricted

Transport hazard class(es)

DOT, IMDG, IATA-DGR: not applicable

Packing group

DOT, IMDG, IATA-DGR: not applicable

Environmental hazards

Marine pollutant: no

Transport in bulk according to IMO instruments

No data available

Special precautions for user

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
NIOSH Recommendations:
Occupational Health Guideline: 0095

National regulations - U.S. State Regulations

No data available

Further regulations, limitations and legal requirements

No data available

16. Other information

Revision date: 12/17/2025

Date of first version: 7/15/2008

Reason of change: General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022
General revision: Safety Data Sheet according to HCS 2024 (29 CFR 1910.1200)

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

Abbreviations and acronyms:

AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
DOT: Department of Transportation's Safety Regulations (USA)
EC: European Community
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EQ: Excepted quantities
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit



SAFETY DATA SHEET

according to HCS 2024 (29 CFR 1910.1200)

87/699Gx - Plaster

Material number 087/699Gx

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Version: 8.2

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Page: 8 of 8

Department issuing data sheet

Contact person: see section 1: Department responsible for information

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.