

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/6

Fast Set Plaster

Revision 1
Revision date 2026-08-04

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Fast Set Plaster
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Foundry material. Industrial uses: Uses of substances as such or in preparations at industrial sites.
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1.3. Details of the supplier of the safety data sheet

Company	Ransom & Randolph
Address	3535 Briarfield Boulevard Maumee, Ohio 43537 USA
Web	www.ransom-randolph.com
Telephone	+1 (419) 865-9497
Fax	+1 (419) 865-9997
Email	SDS@ransom-randolph.com
Email address of the competent person	rcarter@ransom-randolph.com

SECTION 2: Hazards identification

2.2. Label elements

Hazard Statements SUPPLEMENTAL HAZARD INFORMATION	This substance / mixture has been classified in accordance with the US Federal OSHA Hazard Communication Standard 29CFR 1910.1200. Substance concentration band-ranges are presented, and minor ingredient composition maybe withheld, to protect trade secrets.
	No Significant Hazard
	P285 - In case of inadequate ventilation wear respiratory protection.

Further information

	Not applicable. PBT and vPvB assessment.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Calcium sulfate		26499-65-0			90 - 100%	

Particle Characteristics

	Full text for all Risk Phrases mentioned in this section are displayed in Section 16. . . The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.
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Fast Set Plaster

Revision 1

Revision date 2026-08-04

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash with soap and water.
Ingestion	Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and noxious fumes.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear suitable protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid raising dust. Wear suitable respiratory equipment when necessary.
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6.2. Environmental precautions

	No environmental requirements.
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6.3. Methods and material for containment and cleaning up

	Avoid raising dust. Clean the area using a vacuum cleaner. Transfer to suitable, labelled containers for disposal.
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6.4. Reference to other sections

	See section for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid raising dust. Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment. . . Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed.
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7.3. Specific end use(s)

	Foundry material.
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SECTION 8: Exposure controls/personal protection

Fast Set Plaster

Revision 1
Revision date 2026-08-04

8.1. Control parameters

	exposure limits: calcium sulfate - 10 mg/m ³ TWA ACGIH TLV (inhalable fraction); 5 mg/m ³ 8 hr -TWA PEL (respirable fraction).
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8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Protective clothing.
Eye / face protection	Avoid contact with eyes. In case of splashing, wear: Approved safety goggles. safety glasses with side-shields.
Skin protection - Hand protection	Wear suitable gloves. Rubber gloves.
Respiratory protection	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. After selection by a Qualified person. Wear suitable respiratory equipment when necessary.
8.2.3. Environmental exposure controls	Not normally required.
Occupational exposure controls	Appropriate local exhaust ventilation is required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Powder
Color	White
Odor	Odorless
Melting point	1450 °C
Freezing Point	Not applicable.
Initial boiling point	Not applicable.
Evaporation rate	Not applicable.
Flammability limits	Not applicable.
Vapor pressure	Not applicable.
Relative Vapour Density	Not applicable.
Density / Relative Density	2.2 - 2.85
Fat Solubility	Not applicable.
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive properties	Not applicable.
Oxidizing properties	Not applicable.
Solubility	Slightly soluble in water

9.2. Other information

Fast Set Plaster

Revision 1
Revision date 2026-08-04

9.2. Other information

Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.
Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	Not applicable.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No Significant Hazard.
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10.4. Conditions to avoid

	When mixed with water, this product can become very hot. Do not make moulds of any body part.
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10.5. Incompatible materials

	mixing water and acids must be supervised, due to large amounts of heat produced.
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10.6. Hazardous decomposition products

	calcium oxide. Sulphur oxides.
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SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	Intended use. No Significant Hazard.
Skin corrosion/irritation	No irritation expected.
Serious eye damage/irritation	Causes eye irritation.
Respiratory or skin sensitization	No sensitization effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Known Human Carcinogens (Category 1).
Reproductive toxicity	No observed effect level. No observed effect concentration.
STOT-single exposure	No known adverse health effects.
Aspiration hazard	No Significant Hazard.

11.1.4. Toxicological information

	No data available
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SECTION 12: Ecological information

12.1. Toxicity

Fast Set Plaster	Fish LC50/96h: 1970.000 mg/l
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12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	Does not bioaccumulate.
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Fast Set Plaster

Revision 1
Revision date 2026-08-04

Partition coefficient

Fast Set Plaster No data available

12.4. Mobility in soil

not determined.

12.5. Results of PBT and vPvB assessment

not determined.

12.7 Other adverse effects

Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all. local and national regulations.

Disposal methods

Contact a licensed waste disposal company.

Disposal of packaging

Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations

U.S. FEDERAL REGULATIONS: Dental family of investments - Lab Plaster Fast.
CERCLA 103 Reportable Quantity: is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Hazard Category For Section 311/312: Chronic health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual

Fast Set Plaster

Revision 1

Revision date 2026-08-04

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None
	Section 302 Extremely Hazardous Substances (TPQ): None
	EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.
	U.S. STATE REGULATIONS California Proposition 65: N/A
	INTERNATIONAL REGULATIONS: Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL).

15.2. Chemical safety assessment

	No data is available on this product.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: . 2 - Other hazards. . 8 - 8.1. Control parameters. . 11 - STOT-repeated exposure. . 16 - Further information. .
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Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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