



SAFETY DATA SHEET

according to HCS 2024 (29 CFR 1910.1200)

85P11/21/31 - Chlorosil Catalyst, Component B

Material number 085P11/21/31=B

Revision date: 11/28/2025
Version: 13.1
Replaces version: 13.0
Language: en-US
Date of print: 5/29/2026

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1. Identification

Product identifier

Trade name: 85P11/21/31 - Chlorosil Catalyst, Component B

This safety data sheet pertains to the following products:

Article No. 85P11: Chlorosil-Catalyst, Component B = translucent

Article No. 85P21: Chlorosil-Catalyst, Component B = translucent

Article No. 85P31: Chlorosil-Catalyst, Component B = translucent

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

General use: Catalyst for HTV - Silicone, rollable, for orthopedic procedures

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

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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

Product may release hydrogen gas. With exposure to moisture, product will release hydrogen.

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3. Composition/information on ingredients

Mixtures

Chemical characterization: Crepe rubber, Silicone

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 540-97-6	Dodecamethylcyclhexasiloxane	< 1 %	not classified
CAS 541-02-6	Decamethylcyclopentasiloxane	< 1 %	not classified

The actual concentration or concentration range is withheld as a trade secret.

4. First aid measures

In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
Following skin contact:	Remove residues with soap and water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Do not induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Most important symptoms/effects, acute and delayed

In case of inhalation:
 Inhaling can lead to irritations of the respiratory tract and mucous membrane.
 In case of ingestion: Constipation
 After eye contact:
 Dust contact with the eyes can lead to mechanical irritation. When vapors form: Irritation and redness may occur.

Information to physician

Treat symptomatically.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, dry extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet.

Specific hazards arising from the chemical

This product can generate small amounts of formaldehyde at approximately 302 °F and above in the presence of air. Product may release hydrogen gas.

In case of fire may be liberated:

Silicon oxides, carbon monoxide and carbon dioxide.

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Protective equipment and precautions for firefighters

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Keep containers cool with water spray until well after the fire is out. Move undamaged containers from immediate hazard area if it can be done safely.
Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid generation of dust. Avoid breathing dust. Avoid contact with skin and eyes.

Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.
If necessary, notify appropriate authorities.

Methods and material for containment and cleaning up

Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.

7. Handling and storage

Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Wear appropriate protective equipment. Avoid generation of dust. Avoid breathing dust. Have eye wash bottle or eye rinse ready at work place. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Precautions against fire and explosion:

Keep away from heat.
When handling larger quantities, take precautionary measures against electrostatic charging.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.
Store containers in upright position.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
Do not store together with: Acids, bases, metals, strong oxidizing agents.

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8. Exposure controls/personal protection

Control parameters

Occupational exposure limit values:

Type	Limit value
USA: ACGIH: TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
USA: ACGIH: TWA	3 mg/m ³ (Dust limit value, respirable fraction)
USA: OSHA: TWA	15 mg/m ³ (Dust limit value, total dust)
USA: OSHA: TWA	5 mg/m ³ (Dust limit value, respirable fraction)

Appropriate engineering controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment (PPE)

Respiratory protection:	Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Recommendation: Use combination filter type A/P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.
Hand protection:	Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: Neoprene, Nitrile rubber, Polyvinyl chloride Layer thickness: > 0.35 mm Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
Body protection:	Wear suitable protective clothing.
General hygiene considerations:	Avoid contact with skin and eyes. Avoid generation of dust. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Have eye wash bottle or eye rinse ready at work place. Take off contaminated clothing and wash it before reuse.

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	solid
	Form: crepe rubber
Color:	refer to section 1
Odor:	Characteristic
Odor threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	Not applicable
Flammability:	This material is combustible, but will not ignite readily.

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Explosion limits:	No data available
Flash point/flash point range:	Not applicable
Evaporation rate:	Not applicable
Auto-ignition temperature:	Not self-igniting
Decomposition temperature:	No data available
pH:	Not applicable
Dynamic viscosity:	Not applicable
Viscosity, kinematic:	Not applicable
Solubility:	No data available
Partition coefficient: n-octanol/water:	at 75.2 °F: 8.87 log P(o/w) (Dodecamethylcyclodhexasiloxane) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. at 77 °F: 8.07 log P(o/w) (Decamethylcyclopentasiloxane) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapor pressure:	Not applicable
Density:	1.2 g/cm ³
Vapor density:	No data available
Particle characteristics:	No data available

Additional information

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	Not oxidising

10. Stability and reactivity

Reactivity:	Refer to subsection "Possibility of hazardous reactions".
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	With exposure to moisture, product will release hydrogen.
Conditions to avoid:	Protect from direct exposure to sunlight and temperatures exceeding 302 °F. Protect from excessive heat. Protect from moisture.
Incompatible materials:	Acids, bases, metals, strong oxidizing agents
Hazardous decomposition products:	This product can generate small amounts of formaldehyde at approximately 302 °F and above in the presence of air.

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11. Toxicological information

Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

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.

Other information: Information about Dodecamethylcyclohexasiloxane (CAS 540-97-6):

LD50 Rat, oral: > 2,000 mg/kg

LD50 Rat, dermal: > 2,000 mg/kg

Information about Decamethylcyclopentasiloxane (CAS 541-02-6):

LD50 Rat, oral: > 5,000 mg/kg

LD50 Rabbit, dermal: > 2,000 mg/kg

LC50 Rat, inhalative (dusts/mist): 8.67 mg/L/4h

Symptoms

In case of inhalation:

Inhaling can lead to irritations of the respiratory tract and mucous membrane.

In case of ingestion: Constipation

After eye contact:

Dust contact with the eyes can lead to mechanical irritation. When vapors form: Irritation and redness may occur.

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12. Ecological information

Ecotoxicity

Aquatic toxicity:

Based on available data, the classification criteria are not met.

Information about Dodecamethylcyclohexasiloxane (CAS 540-97-6):

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): > 2 µg/L/72h

Daphnia toxicity:

NOEC Daphnia magna (Big water flea): ≥ 4.6 µg/L/21d

Information about Decamethylcyclopentasiloxane (CAS 541-02-6):

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): >12 µg/L/96h

NOEC Pseudokirchneriella subcapitata (green algae): ≥ 12 µg/L/96h

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): > 2.9 µg/L/48h

NOEC Daphnia magna (Big water flea): ≥ 15 µg/L/21d

Fish toxicity:

LC50 Oncorhynchus mykiss: > 16 µg/L/96h

NOEC Oncorhynchus mykiss: ≥ 14 µg/L/90d

Persistence and degradability

Further details:

Information about Dodecamethylcyclohexasiloxane (CAS 540-97-6):

Biodegradation: 4.47 %/28 d (OECD 310) Product is biodegradable with difficulty.

Information about Decamethylcyclopentasiloxane (CAS 541-02-6):

Biodegradation: 0.14 %/28 d (OECD 310) Product is biodegradable with difficulty.

Bioaccumulative potential

Partition coefficient: n-octanol/water:

at 75.2 °F: 8.87 log P(o/w) (Dodecamethylcyclohexasiloxane)

Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

at 77 °F: 8.07 log P(o/w) (Decamethylcyclopentasiloxane)

Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

Mobility in soil

Information about Dodecamethylcyclohexasiloxane (CAS 540-97-6):

pOC: 0 - 50

Information about Decamethylcyclopentasiloxane (CAS 541-02-6):

pOC: > 5,000

Koc: > 5,000 (estimated)

Other adverse effects

General information:

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

13. Disposal considerations

Waste treatment methods

Product

Recommendation:

Dispose of waste according to applicable legislation.

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Package

Recommendation: Dispose of waste according to applicable legislation. 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**

TSCA: All ingredients are listed or exempt from listing.

National regulations - U.S. State Regulations

No data available

Further regulations, limitations and legal requirements

No data available

16. Other information

Revision date: 11/28/2025

Date of first version: 11/21/2006

Reason of change: General revision: Safety Data Sheet according to HCS 2024 (29 CFR 1910.1200)

Hazard rating systems:



NFPA Hazard Rating:

Health: 0 (Minimal)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 0 (Minimal)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	0
FLAMMABILITY	1
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
EC50: Effective Concentration 50%
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EN: European Standard
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
LC50: Median lethal concentration
LD50: Lethal dose 50%
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
SVHC: Substance of very high concern
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

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.