

SAFETY DATA SHEET

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

Revision date: 3/6/2015

Version: 3

Language: en-US

Date of print: 1/20/2016

ottobock.

87A5=A - Refill pack: Impresil Carton Set, Component A

Material number 087A5=A

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1. Product and company identification

Product identifier

Trade name: 87A5=A - Refill pack: Impresil Carton Set, Component A

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

General use: Component A for RTV - Silicone
for orthopedic procedures and in scar compression therapy.
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

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

Emergency phone number

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

2. Hazards identification

Emergency overview

Appearance: Form: pasty (thixotropic)
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

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Product on the basis of Vinyl dimethyl polysiloxane, Platinum and silicon dioxide.

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Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 7440-06-4	Platinum	< 0.005 %	not applicable

Additional information: The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

- In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.
- Following skin contact: Remove mechanically with cloth or paper.
Afterwards: Thoroughly wash skin with soap and water.
In case of skin irritation, consult a physician.
- 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: Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical treatment in case of troubles.

Most important symptoms/effects, acute and delayed

After eye contact: Mild irritant

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

266 °F (c.c. ASTM D-56)

Auto-ignition temperature: > 752 °F

Suitable extinguishing media:

Water fog, Foam, dry chemical powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

High power water jet

Specific hazards arising from the chemical

Combustible. Potentially explosive vapor/air mixtures may form.
In case of fire may be liberated: silicon dioxide, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Cool endangered containers with water spray and, if possible, remove from danger zone.
Use a water fog to control vapors. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions: Avoid contact with skin, eyes, and clothing. Wear suitable gloves. Provide fresh air.

Environmental precautions:

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



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Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.
Final cleaning: Fouled surfaces must be immediately cleaned with suitable solvents.
(solvents: see section 9. Thoroughly clean surrounding area. Dispose of waste according to applicable legislation.

Additional information: Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling: Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion:

Take standard precautions to prevent fire.

Specific use(s)

Component A for RTV - Silicone
for orthopedic procedures and in scar compression therapy

Storage

Requirements for storerooms and containers:

Keep container tightly closed. Keep only in the original container.
Store at room temperature.

Suitable material: Plastic (PE, PP)

Hints on joint storage:

Keep away from strong oxidizing agents.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7440-06-4	Platinum	USA: ACGIH: TWA	1 mg/m ³
		USA: NIOSH: TWA	1 mg/m ³
14808-60-7	Silicon dioxide	USA: ACGIH: TWA	0.025 mg/m ³
		USA: NIOSH: TWA	0.05 mg/m ³
		USA: OSHA: TWA	10 mg/m ³ /% SiO ₂ + 2
		USA: OSHA: TWA	250 mppcf/%SiO ₂ +5
		USA: OSHA: TWA	30 mg/m ³ /% SiO ₂ + 2

Additional information: Platinum and Silicon dioxide is embedded in the product and not available as respirable dusts.

Engineering controls

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

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

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Skin protection	Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: polyethylene/polypropylene Breakthrough time: > 480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Respiratory protection:	Respiratory protection is not necessary if room is well ventilated.
General hygiene considerations:	Avoid contact with eyes. When using do not eat, drink or smoke. Wash hands before breaks and after work. Have eye wash bottle or eye rinse ready at work place.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: pasty (thixotropic) Color: white
Odor:	odorless
Odor threshold:	no data available
pH value:	no data available
Melting point/freezing point:	no data available
Initial boiling point and boiling range:	no data available
Flash point/flash point range:	266 °F (c.c. ASTM D-56)
Evaporation rate:	no data available
Flammability:	no data available
Explosion limits:	no data available
Vapor pressure:	at 68 °F: <= 0.1 hPa
Vapor density:	no data available
Density:	at 77 °F: 1.55 g/cm ³
Solubility:	soluble in: diethyl ether, aliphatic hydrocarbons, aromatic hydrocarbons (toluene, xylene), chlorinated hydrocarbons
Water solubility:	practically insoluble
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	> 752 °F
Thermal decomposition:	> 200 °C
Additional information:	no data available

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid:	Excessive heating

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Incompatible materials: Reacts with strong oxidizing agents.

Hazardous decomposition products:

May form highly flammable and explosive vapor by thermal decomposition. Danger of explosion.

In case of fire may be liberated: silicon dioxide, carbon monoxide and carbon dioxide.

Thermal decomposition: > 200 °C

11. Toxicological information

Toxicological tests

Acute toxicity: LD50 Rat, peroral: > 5000 mg/kg

LD50 Rat, percutan: > 5000 mg/kg

Toxicological effects: 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): Lack of data.

Skin corrosion/irritation: Lack of data.

Eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

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

Not known to cause sensitization.

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

After eye contact: Mild irritant

12. Ecological information

Ecotoxicity

Further details: bioaccumulation: very low

Mobility in soil

no data available

Persistence and degradability

Further details: Product is biodegradable with difficulty.

Siloxanes are removed from water by sedimentation or binding to sewage sludge.

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Additional ecological information

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

13. Disposal considerations

Product

Recommendation: Incinerate according to applicable local, state and federal regulations.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
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

Platinum: TSCA Inventory: listed
TSCA HPVC: not listed
NIOSH Recommendations:
Occupational Health Guideline:
0519*

Silicon dioxide: TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 1
OSHA Carcinogen: not listed
NTP Rating: listed
NIOSH Recommendations:
Occupational Health Guideline:
0553

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National regulations - U.S. State RegulationsSilicon dioxide: California Proposition 65: cancer
Rhode Island HSL: listed**National regulations - Great Britain**

Hazchem-Code: -

16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: B

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
B	

Reason of change: Changes in section 1: Address

Date of first version: 8/5/2008

Department issuing data sheet

Contact person: see section 1: Dept. 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.