

## 1. Product and company identification

### Product identifier

Trade name: 84A3 - Acrydoc Poly

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

General use: Reserved for industrial and professional use.  
For orthopedic procedures for producing molds.

### 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

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

### Emergency phone number

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

**Transport:**

**CONSULTANK Lutz Harder GmbH (Contract QUALI003)**

**Telephone: +49 (0)178-4337434 (from USA: 01149 178 4337434)**

## 2. Hazards identification

### Emergency overview

Appearance: Form: solid, powder

Color: white

Odor: weak

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).

### Hazards not otherwise classified

see section 11: Toxicological information

### 3. Composition / Information on ingredients

Chemical characterization: Contains Calcium carbonate,  
Polymer and copolymer based on Methyl methacrylate, Ethyl methacrylate, Ethyl acrylate  
(Monomer(s): <= 0,2%),  
Catalyst and Pigment

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 94-36-0	Dibenzoyl peroxide	< 1 %	Organic Peroxide - Category B. Eye Irritation - Category 2A. Sensitization - skin - Category 1.

### 4. First aid measures

In case of inhalation: Provide fresh air. Seek medical attention if irritation persists.  
Following skin contact: Thoroughly wash skin with soap and water.  
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: Rinse mouth and drink large quantities of water.

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

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

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

Flash point/flash point range:

> 482 °F

Auto-ignition temperature: No data available

Suitable extinguishing media:

Water spray jet, foam, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

#### Specific hazards arising from the chemical

In case of fire may be liberated:  
Gases/vapors (irritant), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus.

### 6. Accidental release measures

Personal precautions: Provide fresh air. Do not breathe dust.

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

## 7. Handling and storage

### Handling

Advices on safe handling: Avoid generation of dust.  
Provide adequate ventilation. Do not breathe dust.  
When using do not eat, drink or smoke.

Precautions against fire and explosion:  
Avoid generation of dust. Danger of dust explosion.  
Keep away from sources of ignition and heat.

Specific use(s) For orthopedic procedures, for producing molds

### Storage

Requirements for storerooms and containers:  
Keep container tightly closed and in a well-ventilated place.  
Keep container dry. Protect from direct sunlight.  
Storage temperature: 53.6 - 82.4 °F.

Further details: Every task can only be performed by suitably trained personnel.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
94-36-0	Dibenzoyl peroxide	USA: ACGIH: TWA	5 mg/m <sup>3</sup>
		USA: IDLH: TWA	1,500 mg/m <sup>3</sup>
		USA: NIOSH: TWA	5 mg/m <sup>3</sup>
		USA: OSHA: TWA	5 mg/m <sup>3</sup>

### Engineering controls

Make sure there is sufficient air exchange and / or that working rooms are air suctioned.  
See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003. Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Glove material: Nitrile rubber - Layer thickness: 0,11 mm.  
Breakthrough time: >480 min.  
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.  
Dust mask or Respiratory protective device OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:  
Do not breathe dust. Avoid contact with eyes.  
Avoid generation of dust.  
Wash hands before breaks and after work.  
Provide a conveniently located eye rinse station.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Form: solid, powder Color: white
Odor:	weak
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	> 482 °F
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:	No data available
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	>482 °F
Ignition temperature:	> 752 °F

## 10. Stability and reactivity

Reactivity:	refer to 10.3
Chemical stability:	Product is stable under normal storage conditions.
Possibility of hazardous reactions:	Danger of dust explosion.
Conditions to avoid:	Keep away from sources of ignition and heat. Take precautionary measures against static discharge.
Incompatible materials:	No data available
Hazardous decomposition products:	Gases/vapors (Monomer(s)), irritant. In case of fire may be liberated: carbon monoxide and carbon dioxide.
Thermal decomposition:	>482 °F

## 11. Toxicological information

### Toxicological tests

Acute toxicity:	LD50 Rat, oral: Polymethyl methacrylate > 10,000 mg/kg LD50 Rat, oral: Dibenzoyl peroxide > 7,710 mg/kg
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.
Other information:	Following information applies to the component Dibenzoyl peroxide: May cause sensitization by skin contact.

### Symptoms

In case of inhalation: 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

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.

### Package

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

## 14. Transport information

### UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

### UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

### Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

### Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

### Environmental hazards

Marine pollutant:

no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

### 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

Dibenzoyl peroxide: TSCA Inventory: listed  
 Carcinogen Status:  
 IARC Rating: Group 3  
 OSHA Carcinogen: not listed  
 NTP Rating: not listed  
 NIOSH Recommendations:  
 Occupational Health Guideline: 0052  
 OSHA Process Safety Management: Threshold 7500 lbs.

### National regulations - U.S. State Regulations

Dibenzoyl peroxide: California Proposition 65 code: -  
 Delaware Air Quality Management List:  
 DRQ: 100 - RQ State requirement differs from Federal  
 Idaho Air Pollutant List:  
 Title 585: AAC: 0,25 - EL: 0,333 - OEL: 5 - Title 586: -  
 Massachusetts Haz. Substance codes: 2,4,5 F9  
 Minnesota Haz. Substance:  
 Codes: ANO - Ratings: - - Status: Title III. TRI.  
 New Jersey Extraordinary Hazardous Substances:  
 EPA Threshold: - NJ Threshold: 2500  
 NJ Group: I - NJ Table: I Part D - NJ Basis: NFPA 432  
 New Jersey RTK Hazardous Substance:  
 DOT: 2085 - Sub No.: 0215 - TPQ: -  
 Pennsylvania Haz. Substance code: E  
 Washington Air Contaminant:  
 TWA: 5 mg

### National regulations - Canada

Dibenzoyl peroxide: DSL: listed

### National regulations - Great Britain

Hazchem-Code: -

## 16. Other information

Text for labeling:

Hazard rating systems:



Contains dibenzoyl peroxide. May produce an allergic reaction.

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: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

### Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 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  
 EC: European Community  
 EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods  
 EN: European Standard  
 EQ: Excepted quantities  
 Eye Irritation: Eye irritation  
 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  
 Organic Peroxide: Organic peroxide  
 OSHA: Occupational Safety and Health Administration  
 PBT: Persistent, bioaccumulative and toxic  
 PNEC: Predicted no-effect concentration  
 RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
 Sensitization - skin: Skin sensitisation  
 TLV: Threshold Limit Value  
 TRGS: Technical Rules for Hazardous Substances  
 vPvB: Very persistent and very bioaccumulative  
 WEL: Workplace Exposure Limit

Reason of change: General revision

Date of first version: 8/15/2008

### 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.