

## 1. Product and company identification

### Product identifier

Trade name: 633F11 - Silicone Grease 400

### Recommended use and restrictions on use

General use: Lubricating grease for orthopedic procedures.

### Initial supplier identifier

Company name: Otto Bock HealthCare Canada Ltd.

Street/POB-No.: 5470 Harvester Road

Postal Code, city: Burlington, ON L7L 5N5, CA  
Canada

WWW: [www.ottobock.ca](http://www.ottobock.ca)

E-mail: [info.canada@ottobock.com](mailto:info.canada@ottobock.com)

Telephone: (800) 665-3327

Telefax: (800) 463-3659

Department responsible for information:

Mark Agro, Telephone: (800) 665-3327 (9 am - 5 pm)

Additional information:

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

### Emergency phone number

COLLECT, Telephone: (613) 996-6666

Transport:

CONSULTANK Lutz Harder GmbH (Contract QUALI003)

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

## 2. Hazards identification

### Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: solid

Form: pasty (fat)

Color: light brown

Odor: characteristic

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 WHMIS in Canada.

### Hazards not otherwise classified

May cause skin and eye irritation. Special danger of slipping by leaking/spilling product.  
see section 11: Toxicological information

### 3. Composition / Information on ingredients

Chemical characterisation: Lubricating grease on the basis of silicon oil

### 4. First aid measures

General information: Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.

Following skin contact: Remove residues with soap and water.

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: Rinse mouth thoroughly with water. Seek medical treatment in case of troubles.

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

May cause skin and eye irritation.

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

Flash point/flash point range:

not applicable

Auto-ignition temperature: No data available

Suitable extinguishing media:

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

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: Silicon dioxide, carbon monoxide and carbon dioxide.

Special protective equipment and precautions for fire-fighters:

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

Additional information: Move undamaged containers from immediate hazard area if it can be done safely. Do not allow fire water to penetrate into surface or ground water. 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: Provide adequate ventilation. Never put product containing rags into clothing pockets. Avoid breathing mist/vapors/spray. Wear appropriate protective equipment. Keep unprotected people away.

Environmental precautions:

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

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal. Clean the floor and all object contaminated by this material.

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

## 7. Handling and storage

### Handling

Advices on safe handling: Avoid prolonged and intensive skin contact.  
Never put product containing rags into clothing pockets. Avoid breathing mist/vapors/spray. Wear appropriate protective equipment.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

### Storage

Requirements for storerooms and containers:

Keep in a cool place.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

## 8. Exposure controls / personal protection

### Engineering controls

Handle in accordance with good industrial hygiene and safety practice.  
See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

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

Skin protection: Protective work clothing  
protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Glove material: Nitrile rubber  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

General hygiene considerations:

Avoid prolonged and intensive skin contact. Change contaminated clothing. Wash hands before breaks and after work. Never put product containing rags into clothing pockets. Avoid breathing mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: solid  
Form: pasty (fat)  
Color: light brown  
Odor: characteristic  
Odor threshold: No data available

pH:	not applicable
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	not applicable
Flash point/flash point range:	not applicable
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:	at 15 °C: 1 g/cm <sup>3</sup> (DIN 51 757)
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

## 10. Stability and reactivity

Reactivity:	refer to section 10.3
Chemical stability:	Product is stable under normal storage conditions.
Possibility of hazardous reactions:	No hazardous reaction when handled and stored according to provisions.
Conditions to avoid:	Warmness
Incompatible materials:	Strong oxidizing agents, strong acids, strong bases
Hazardous decomposition products:	Hazardous decomposition products such as Silicon dioxide, carbon monoxide and carbon dioxide may develop with exposure to high temperature.
Thermal decomposition:	No data available

## 11. Toxicological information

### Toxicological tests

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.

### Symptoms

After eye contact:  
Due to the formation of an oil film on the eye ball sight may be reversibly clouded.

## 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: Possible alternatives: Waste key number:  
120112 spent waxes and fats Incinerate according to applicable local, state and federal regulations.

### Package

Recommendation:

Waste key number:

150102 Plastic container

150104 Packages of metal

Dispose of waste according to applicable legislation.

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

### Canada: Transportation of Dangerous Goods (TDG)

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 - Canada

No data available

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

No data available

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

No data available

## 16. Other information

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:

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  
 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  
 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  
 TRGS: Technical Rules for Hazardous Substances  
 vPvB: Very persistent and very bioaccumulative  
 WHMIS: Workplace Hazardous Materials Information System

Reason of change:

General revision

Date of first version:

15/9/2010

### 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.