

1 Identification

Product identifier

Trade name: 636N1 - Abrasive Grain Glue

Recommended use and restrictions on use

General use: Adhesive 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

Email: 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 telephone number

COLLECT, Telephone: (613) 996-6666

2 Hazard identification

Classification

This substance is classified as not hazardous.

Information elements

Symbols: not applicable

Hazard statements: not applicable

Precautionary statements: not applicable

Other hazards known to the supplier with respect to the product

Base

3 Composition/Information on ingredients

Material/substance

Chemical name: Sodium waterglass: < 40% (aqueous solution)

CAS-Number: 1344-09-8

4 First-aid measures

Description of necessary first-aid measures

In case of inhalation: In case of inhalation of aerosols/spray mist/splash spots: Seek medical attention.

In case of swallowing: Rinse mouth and drink 2-4 cupfuls of water.
Consult physician.

In case of skin contact: Thoroughly wash skin with soap and water.
Change contaminated clothing.

In case of eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Apply bandage with sterile gauze. Subsequently consult an ophthalmologist.

Most important symptoms and effects, whether acute or delayed

After contact with skin: Not an irritant (OECD 404)
After eye contact: Not an irritant (Draize Test)

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5 Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:
Co-ordinate fire-fighting measures to the fire surroundings.

Specific hazards arising from the product

The product itself does not burn.

Special protective equipment and precautions for fire-fighters

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

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

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.
Wash spill area with plenty of water.

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

7 Handling and storage

Precautions for safe handling

Advices on safe handling: Avoid contact with skin and eyes.
Avoid the formation of aerosol.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed.
Protect from frost.
Protect from heat and direct sunlight.
Provide for alkali-resistant floor.

Hints on joint storage: Do not store together with acids or oxidizing agents.

8 Exposure controls/Personal protection

Control parameters

Appropriate engineering controls

Provide adequate ventilation, and local exhaust as needed.

Individual protection measures, such as personal protective equipment

Respiratory protection: Avoid the formation of aerosol.

Hand protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: rubber or chloroprene rubber-
Layer thickness >0,5 mm - Breakthrough time: > 480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed safety glasses according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.

Body protection: Suitable protective clothing.

General hygiene considerations:

Avoid contact with skin and eyes.
Change contaminated clothing.
Wash hands before breaks and after work.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9 Physical and chemical properties

Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa Form: liquid
Colour: colourless, clear
Odour: odourless
Odour threshold: No data available

Melting point and freezing point: No data available

Boiling point or initial boiling point and boiling range: No data available

Flammability: No data available

Lower and upper explosion limit or lower and upper flammability limit: No data available

Flash point/flash point range: No data available

Evaporation rate: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

pH: at 20 °C: 12 g/mL

Water solubility: at 20 °C: miscible

Partition coefficient — n-octanol/water: No data available

Vapour pressure: No data available

Density and/or relative density at 20 °C: 1.35 - 1.37 g/mL

Vapour density: No data available

Particle characteristics: Not applicable

Additional information

Explosive properties: Product is not explosive.

Additional information: mole ratio: >3,2

10 Stability and reactivity

Reactivity: refer to section 10.3

Chemical stability: Not combustible.
Product is stable under normal storage conditions.

Possibility of hazardous reactions: No dangerous reactions are known.

Conditions to avoid: Protect from frost.

Incompatible materials: Reaction with acids: generation of heat.
Reactions with base metals under hydrogen development

Hazardous decomposition products: The product itself does not burn.

11 Toxicological information

Information on the likely routes of exposure

No data available

Health hazard information

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.

Acute toxicity: LD50 oral: > 2,000

Other information: Not known to cause sensitization.

Symptoms

After contact with skin: Not an irritant (OECD 404)

After eye contact: Not an irritant (Draize Test)

12 Ecological information

Ecotoxicity

Aquatic toxicity: Bacterial toxicity: LC50 > 100mg product/l (OECD 209)

Daphnia toxicity: EC50 > 100mg product/l (OECD 202)

Fish toxicity: EC50 > 100mg product/l (ISO 7346/2)

Persistence and degradability

Further details: Product is not biodegradable.

Bioaccumulative potential

Partition coefficient — n-octanol/water:

No data available

Mobility in soil

No data available

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.

Package

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

14 Transport information

UN number

TDG, IMDG, IATA-DGR: not applicable

UN proper shipping name

TDG, IMDG, IATA-DGR: Not restricted

Transport hazard class

TDG, IMDG, IATA-DGR: not applicable

Packing group

TDG, IMDG, IATA-DGR: not applicable

Environmental hazards

Marine pollutant: no

Special precautions in connection with transport or conveyance either within or outside the premises

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

DSL: listed

Further regulations, limitations and legal requirements

No data available

16 Other information

Revision date: 17/12/2025

Date of first version: 11/9/2008

Reason of change: General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022
General revision: Safety Data Sheet according to HCS 2024 (29 CFR 1910.1200)

Abbreviations and acronyms:

CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
DSL: Domestic Substances List
EC: European Community
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
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
LD50: Lethal dose 50%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
MFSU: Manufacture, formulation, supply and use
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
TDG: Transportation of Dangerous Goods Regulation in Canada
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative

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.