

1 Identification

Product identifier

Trade name: 617H37 - Pedilen Duplicating Foam

Recommended use and restrictions on use

General use: Basic materials for the production of plastic products

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

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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 mixture 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

3 Composition/Information on ingredients

Mixture

Chemical name: Composition on the basis of polyether polyol, contains Zeolites (5-10%).

Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 107-21-1	Ethylene glycol	1 - 5 %	Acute Toxicity 4 (oral). Specific Target Organ Toxicity (Repeated Exposure) 2.
CAS 110-63-4	Butane-1,4-diol	1 - 5 %	Acute Toxicity 4 (oral). Specific Target Organ Toxicity (Single Exposure) 3.
CAS 104-19-8	N,N,4-Trimethylpiperazine-1-ethylamine	0.1 - 1 %	Acute Toxicity 4 (oral). Acute Toxicity 3 (dermal). Skin Corrosion 1B. Aquatic toxicity - chronic 3.
CAS 3030-47-5	bis(2-dimethylaminoethyl) (methyl)amine	0.1 - 1 %	Acute Toxicity 4 (oral). Acute Toxicity 3 (dermal). Skin Corrosion 1B.

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

4 First-aid measures

Description of necessary first-aid measures

In case of inhalation:	Move victim to fresh air. If you feel unwell, seek medical advice.
In case of swallowing:	Rinse mouth thoroughly with water. Induce vomiting. Have victim drink large quantities of water, with active charcoal if possible. Seek medical attention.
In case of skin contact:	Change contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. In case of skin irritation, consult a physician.
In case of 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.

Most important symptoms and effects, whether acute or delayed

In case of ingestion: May cause irritations.
 After ingestion of high quantities: vomiting, nausea.
 After resorption: Unconsciousness, headache, spasms, amyosthenia, dizziness, CNS disorders.
 Absorption can lead to kidney and liver damage.
 After contact with skin: mild irritant
 After eye contact: May cause irritations.

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:	Carbon dioxide, foam, extinguishing powder. In case of large fires water spray jet.
Unsuitable extinguishing media:	Full water jet

Specific hazards arising from the product

Combustible. In case of fire may be liberated: Nitrogen oxides (NO_x), silicon compounds, carbon monoxide and carbon dioxide.

Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus.

Additional information:

Use fine water spray to cool endangered containers.

Do not allow fire water to penetrate into surface or ground water.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Provide adequate ventilation.

Environmental precautions:

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

Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance.

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.

Precautions against fire and explosion:

When using do not smoke.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and dry. Keep at temperature not exceeding 50 °C.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Keep away from: Strong acids, strong oxidizing agents, isocyanates.

8 Exposure controls/Personal protection

Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
107-21-1	Ethylene glycol	Canada: Alberta, OEL Ceiling	100 mg/m ³
		Canada: BC, OEL Ceiling	100 mg/m ³ (Aerosol)
		Canada: BC, OEL Ceiling	50 ppm (vapour)
		Canada: BC, OEL STEL	20 mg/m ³ (Aerosol)
		Canada: BC, OEL TWA	10 mg/m ³ (Aerosol)
		Canada: Québec, Plafond	127 mg/m ³ ; 50 ppm

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Use filter type A (= against vapours of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

Hand protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: nitrile rubber-Layer thickness: $\geq 0,35$ mm
Breakthrough time: >480 min.
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.
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
Odour:	weak amine odour
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:	> 110 °C
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	strong alkaline
Water solubility:	miscible
Partition coefficient — n-octanol/water:	No data available
Vapour pressure:	at 20 °C: 7 hPa
Density and/or relative density	at 20 °C: 1.06 g/cm ³
Vapour density:	No data available
Particle characteristics:	Not applicable

Additional information

Ignition temperature: > 390 °C

10 Stability and reactivity

Reactivity: refer to section 10.3

Chemical stability: Product is stable under normal storage conditions.

Possibility of hazardous reactions:
No dangerous reactions are known.

Conditions to avoid: Keep away from heat.

Incompatible materials: Strong acids, strong oxidizing agents.
Watch for exothermic reactions with isocyanates.

Hazardous decomposition products:
In case of fire may be liberated: Nitrogen oxides (NO_x), silicon compounds, carbon monoxide and carbon dioxide.

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.

Symptoms

In case of ingestion: May cause irritations.
 After ingestion of high quantities: vomiting, nausea.
 After resorption: Unconsciousness, headache, spasms, amyosthenia, dizziness, CNS disorders.
 Absorption can lead to kidney and liver damage.
 After contact with skin: mild irritant
 After eye contact: May cause irritations.

General remarks

Information about N,N,4-Trimethylpiperazine-1-ethylamine:
 LD50 Rat, oral 1260 mg/kg
 LD50 Rabbit, dermal 346 mg/kg
 Information about bis(2-dimethylaminoethyl)(methyl)amine:
 LD50 Rat, oral 1330 mg/kg
 LD50 Rabbit, dermal 230 mg/kg

12 Ecological information

Ecotoxicity

Aquatic toxicity: Information about (polyether polyol):
 Daphnia toxicity: EC50 Daphnia magna: 139 mg/L
 Fish toxicity: LC50 Leuciscus idus: >100 mg/L/ 48 h

Persistence and degradability

Further details: Information about (polyether polyol):
 Biodegradation: 54 %/ 28 d.
 Product is not readily 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: Incinerate according to applicable local, state and federal regulations.

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

Ethylene glycol: DSL: listed

Butane-1,4-diol: DSL: listed

N,N,4-Trimethylpiperazine-1-ethylamine: NDSL: listed

bis(2-dimethylaminoethyl)(methyl)amine: DSL: listed

Further regulations, limitations and legal requirements

No data available

16 Other information

Text for labelling: Safety data sheet available on request.

Revision date: 17/12/2025
Date of first version: 7/10/1994
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:

Acute Toxicity: Acute toxicity
Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
CNS: Central Nervous System
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
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%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
MFSU: Manufacture, formulation, supply and use
NDSL: Non-Domestic Substances List
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
Skin Corrosion: Skin corrosion
STOT RE: Specific target organ toxicity - repeated exposure
STOT SE: Specific target organ toxicity - single exposure
TDG: Transportation of Dangerous Goods Regulation in Canada
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.