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

617H-1 - PEDILEN Rigid Foam
Material number 617H-1

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Page: 1 of 5

1. Product and company identification

Product identifier
Trade name: 617H-1 - PEDILEN Rigid Foam

Relevant identified uses of the substance or mixture and uses advised against
General use: Basic materials for the production of plastic products

Details of the supplier of the safety data sheet
Company name: Otto Bock Health Care
Street/POB-No.: 2 Carlson Parkway North
              Suite 100
Postal Code, city: Plymouth, MN 55447
              USA
WWW: www.ottobockus.com
Telephone: +1 (763) 553-9464
Telefax: +1 (763) 519-6153
Dept. responsible for information:
MSDS Department,
Telephone: +1 (763) 489-5142  (9 am - 5 pm), Email: bill.clover@ottobock.com

Additional information:
This safety data sheet pertains to the following products:
617H11 - PEDILEN Rigid Foam 100
617H12 - PEDILEN Rigid Foam 200
617H32 - PEDILEN Rigid Foam 300
617H48 - PEDILEN Rigid Foam 450
617H61 - PEDILEN Rigid Foam 600
617H41 - PEDILEN Rigid Foam 700

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

2. Hazards identification

Emergency overview
Appearance: Physical state: liquid
Color: colorless
Odor: weak amine odor

Regulatory status
This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard
(29 CFR 1910.1200) and SIMDUT in Canada.

Information pertaining to special dangers for human and environment
see section 11: Toxicological information
3. Composition / Information on ingredients

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Designation</th>
<th>Content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS 111-18-2</td>
<td>N,N,N',N'-Tetramethylhexamethylenediamine</td>
<td>0,1-1 %</td>
<td>Acute Tox. 4 (oral). Acute Tox. 3 (dermal). Skin Corr. 1B.</td>
</tr>
<tr>
<td>CAS 3030-47-5</td>
<td>bis(2-Dimethylaminoethyl)(methyl)amine</td>
<td>0,1-1 %</td>
<td>Acute Tox. 4 (oral). Acute Tox. 3 (dermal). Skin Corr. 1B.</td>
</tr>
</tbody>
</table>

4. First-aid measures

After inhalation: Provide fresh air.
In case of skin contact: Change contaminated clothing. 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: Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Seek medical attention.

Most important symptoms and effects, both acute and delayed
no data available

Information to physician
Treat symptomatically.

5. Firefighting measures

Flash point/flash point range: > 392 °F
Suitable extinguishing media: Extinguishing powder, water fog, carbon dioxide.
Extinguishing media which must not be used for safety reasons: High power water jet

Special hazards arising from the substance or mixture
Combustible.
In case of fire may be liberated: Nitrogen oxides (NOx), Carbon monoxide and carbon dioxide.

Special protective equipment for firefighters: Wear self-contained breathing apparatus.

Additional information: Cool exposed containers with water spray. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions: Avoid contact with eyes. Wear suitable protective clothing. In enclosed areas: Provide fresh air.

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

Methods for cleaning up: In case of spills of large quantities: Dam spills. 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

Handling
Advices on safe handling:
- Provide adequate ventilation, and local exhaust as needed.
- Avoid contact with eyes.

Precautions against fire and explosion:
- When using do not smoke.

Storage
Requirements for storerooms and containers:
- Keep container tightly closed in a cool, well-ventilated place. Dry.
- Container of steel or polyethylene.

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

Specific use(s)
- Basic materials for the production of plastic products

8. Exposure controls / personal protection

Engineering controls
Safety shower and eye wash station should be easily accessible to the work area.
See also information in chapter 7, section storage.

Eye protection:

Body protection:
- Wear suitable protective clothing.
- Glove material: Fluororubber (Viton)
- Breakthrough time: >480 min.
- Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Personal protection equipment
Respiratory protection:
- Provide adequate ventilation.

General protection and hygiene measures
- Change contaminated clothing.
- When using do not eat, drink or smoke.
- Wash hands before breaks and after work.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:
- Physical state: liquid
- Color: colorless

Odor:
- weak amine odor

pH value:
- alkaline

Flash point/flash point range:
- > 392 °F

Density:
- approx. 1.03 g/ml

Solubility:
- soluble in alcohol, ether, aromatic hydrocarbons
10. Stability and reactivity

Reactivity: refer to chapter 10.3
Chemical stability: Hygroscopic.
Product is stable under normal storage conditions.
Polymerisation: No dangerous reactions are known.
Conditions to avoid: Protect from moisture contamination.
Materials to avoid: Oxidising agent
Hazardous decomposition products: In case of fire may be liberated: Nitrogen oxides (NOx), Carbon monoxide and carbon dioxide.

11. Toxicological information

Toxicological tests
After swallowing: The following symptoms may occur: Gastrointestinal irritation
In case of skin contact: May cause irritations.
After eye contact: May cause irritations.
General remarks
Information about N,N,N',N'-Tetramethylhexamethylenediamine:
LD50 Rat, oral 238 mg/kg
LD50 Rat, dermal 394 mg/kg
Information about bis(2-Dimethylaminoethyl)(methyl)amine:
LD50 Rat, oral 1330 mg/kg
LD50 Rabbit, dermal 230 mg/kg

12. Ecological information

Additional ecological information
General information: Do not allow to enter into ground-water, surface water 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 controlled under DOT
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

U.S. Federal Regulations
N,N,N',N'-Tetramethylhexamethylenediamine: TSCA Inventory: listed
TSCA HPVC: not listed
bis(2-Dimethylaminoethyl)(methyl)amine: TSCA Inventory: listed
TSCA HPVC: not listed

National regulations - EC member states
Labeling (67/548/EEC or 1999/45/EC)
Code letter and hazard symbol: not applicable
R phrase(s): not applicable
S phrase(s): not applicable

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: X = Consult your supervisor

Reason of change: General revision: GHS
Date of first version: 07.10.1994

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.