SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| Trade name | PROTEX EXTRA |

1.2. Relevant identified uses of the substance or mixture and uses advised against

Not applicable

1.3. Details of the supplier of the safety data sheet

| SDS created by | TDST |
| Supplier       | ESAB DENTON |
| Street address | 2800 Airport Road Denton, TX 76207 |
| Telephone      | 1-800-372-2123 |
| Email          | sds.esab@esab.se |
| Web site       | www.esab.com |

1.4. Emergency telephone number

| Emergency phone number | 1-800-372-2123 |
| Available outside office hours | Yes |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not classified

2.2. Label elements

The product do not require labeling

2.3. Other hazards

Not applicable

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance additional information | Several ingredients are present in concentrations below 1%; none of these are reproductive effectors, mutagens, carcinogens, or sensitizers. |

SECTION 4: First aid measures
4.1. Description of first aid measures

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>Flush skin with large amounts of water. If irritation develops and persists, get medical attention.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Do not induce vomiting. Drink water. Call physician immediately.</td>
</tr>
</tbody>
</table>

4.2. Most important symptoms and effects, both acute and delayed

Not applicable

4.3. Indication of any immediate medical attention and special treatment needed

Not applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: water

5.2. Special hazards arising from the substance or mixture

- carbon oxides
- Nitrogen smoke
- hydrocarbon fragments

5.3. Advice for firefighters

Not applicable

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not applicable

6.2. Environmental precautions

Prevent further leakage or spillage.

6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4. Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling: No special technical protective measures required.
SECTION 7: Precautions

7.2. Conditions for safe storage, including any incompatibilities
Not applicable

7.3. Specific end use(s)
Not applicable

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- **Exposure limits**: OSHA PEL (ppm): Ethanolamine = 3, ACGIH TLV (ppm): Ethanolamine = 3

8.2. Exposure controls

- **Eye / face protection**: safety glasses with side-shields

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear pink liquid</td>
</tr>
<tr>
<td>Appearance, colour</td>
<td>Pink</td>
</tr>
<tr>
<td>Appearance, physical state</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>0 °C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odour</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Partition coefficient: n-</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended storage conditions.

10.2. Chemical stability

Chemical stability: No decomposition if stored normally.

10.3. Possibility of hazardous reactions

Not applicable

10.4. Conditions to avoid

Not applicable

10.5. Incompatible materials

Not applicable

10.6. Hazardous decomposition products

Not applicable

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not applicable
Skin corrosion/irritation: Mild skin irritation
Serious eye damage/irritation: May irritate eyes.
Respiratory/skin sensitization: Not applicable
Germ cell mutagenicity: Not applicable
Genotoxicity: Not applicable
Carcinogenicity: Not applicable
Reproductive toxicity: Not applicable
STOT - single exposure: Not applicable
STOT - repeated exposure: Not applicable
Aspiration hazard: Not applicable
LD50 Oral: 94,000 mg/kg (rat)
LD50 Dermal: >200,000 mg/kg (rabbit)

SECTION 12: Ecological information

12.1. Toxicity
Not applicable

12.2. Persistence and degradability
Not applicable

12.3. Bioaccumulative potential
Bioaccumulative potential: Water solubility

12.4. Mobility in soil
Mobility: Water solubility 12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment
Not applicable

12.6. Other adverse effects
Not applicable

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal considerations: May be flushed to the sanitary sewer after dilution
SECTION 14: Transport information

14.1. UN number
Not applicable

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable

14.5. Environmental hazards
Not applicable

14.6. Special precautions for user
Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations, limitations and legal regulations

- Canada: WHMIS classification: Class D; Division 2, Subdivision A Canadian Environmental Protection Act (CEPA): All constituents of this product are on the Domestic Substance List (DSL).
- USA: Under the OSHA Hazard Communication Standard, this product is considered hazardous.
- USA: This product contains or produces a chemical known to the state of California to cause cancer and birth defects (or other reproductive harm). (California Health & Safety Code § 25249.5 et seq.)
- United States EPA Toxic Substance Control Act: All constituents of this product are on the TSCA inventory list or are excluded from listing.
- CERCLA/SARA Title III Reportable Quantities (RQs) and/or Threshold Planning Quantities (TPQs): Product is a solid solution in the form of a solid article.
- Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center and to your Local Emergency Planning Committee.
- Section 311 Hazard Class
  - As shipped: Immediate; In use: Immediate delayed

15.2. Chemical safety assessment

Chemical safety assessment
No

Other

Read and understand the manufacturer's instructions, your employer's safety practices and the health and safety instructions on the label. Observe any federal and local regulations. Take precautions when welding and protect yourself and others.
WARNING: Welding fumes and gases are hazardous to your health and may damage lungs and other organs. Use adequate ventilation. ELECTRIC SHOCK can kill. ARC RAYS and SPARKS can injure eyes and burn skin. Wear correct hand, head, eye and body protection.

SECTION 16: Other information

Changes to previous revision

This Safety Data Sheet has been revised due to modification(s) to section(s) 1-16

References to key literature and data sources

Refer to ESAB "Welding and Cutting - Risks and Measures", F52-529 “Precautions and Safe Practices for Electric Welding and Cutting” and F2035 “Precautions and Safe Practices for Gas Welding, Cutting and Heating” available from ESAB, and to: www.esab.com


OSHA Publication 2206 (29 C.F.R. 1910), U.S. Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954

American Conference of Governmental Hygienists (ACGIH), Threshold Limit Values and Biological Exposure Indices, 6500 Glenway Ave., Cincinnati, Ohio 45211, USA.

NFPA 51B "Standard for Fire Prevention During Welding, Cutting, and Other Hot Work" published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169.

UK: WMA Publication 236 and 237, "Hazards from Welding Fume", "The arc welder at work, some general aspects of health and safety".

GERMANY: Accident prevention regulation BGV D1, "Welding, cutting and related procedures".

Canada: CSA Standard CAN/CSA-W117.2-01 "Safety in Welding, Cutting, and Allied Processes".

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Other

Additional information

ESAB requests the users of this product to study this Safety Data Sheet (SDS) and become aware of product hazards and safety information. To promote safe use of this product a user should:
- notify its employees, agents and contractors of the information on this SDS and any product hazards/safety information.
- furnish this same information to each of its customers for the product.
- request such customers to notify employees and customers for the same product hazards and safety information.

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