



SAFETY DATA SHEET

Part Number: 53--024-500, 53-014-500, 53-015-500, 53-018-500

PROTEX EXTRA

Issued: 2016-06-30

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



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4.1. Description of first aid measures

Skin contact Flush skin with large amounts of water. If irritation develops and persists, get medical attention.

Eye contact Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion Do not induce vomiting. Drink water. Call physician immediately.

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.



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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

Appearance Clear pink liquid

Appearance, colour Pink

Appearance, physical state Not applicable

Auto-ignition temperature Not applicable

Boiling point 100 ° C

Decomposition temperature Not applicable

Evaporation rate Not applicable

Explosive properties Not applicable

Flammability (solid, gas) Not applicable

Flash point Not applicable

Freezing point 0 ° C

Initial boiling point and boiling range Not applicable

Melting point / freezing point Not applicable

Odour Not applicable

Odour treshold Not applicable

Oxidising properties Not applicable

Partition coefficient: n- Not applicable



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octanol / water

pH Not measured - slightly alkaline

pH value Not applicable

Relative density Not applicable

Solubility Not applicable

Solubility in water Complete

Upper / lower flammability or explosive limits Not applicable

Vapour density 0.6 (water)

Vapour pressure Not applicable

Viscosity Not measured - thin mobile liquid

Specific Gravity: 1.0 (20/20 degrees Celcius)

9.2. Other information

Not applicable

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



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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



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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.



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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
USA: USA: Contact ESAB at www.esabna.com or 1-800 ESAB-123 if you have any questions about this SDS. American National Standard Z49.1 "Safety in Welding and Cutting", ANSI/AWS F1.5 "Methods for Sampling and Analyzing Gases from Welding and Allied Processes", ANSI/AWS F1.1 "Method for Sampling Airborne Particles Generated by Welding and Allied Processes" ANSI/AWS F1.1 "Method for Sampling Airborne Particles Generated by Welding and Allied Processes", AWSF3.2M/F3.2 "Ventilation Guide for Weld Fume", American Welding Society, 550 North Le Jeune Road, Miami Florida 33135. Safety and Health Fact Sheets available from AWS at www.aws.org.
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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