



SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) No 1907/2006, 1272/2008, ISO 11014-1 and ANSI Z400.1

PROTEX ALCLEAN

Issued: 2016-06-30

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

1.1. Product identifier

Trade name PROTEX ALCLEAN

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

Use Cleaning and removal of grease, oil, dirt and white, chalky aluminum oxides before welding.
Removes weld residue and discoloration after welding.

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 No

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008, Annex VI

Hazard statements H301, H314

2.2. Label elements

GHS labeling of the substance (in accordance with Regulation (EC) No 1272/2008, Annex VI)

Hazard statements H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.

Precaution statements P260 Do not breathe dust/fumes/gas/mist/vapours/spray..
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray..
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/.



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P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P302 + P352 IF ON SKIN: Wash with plenty of water/and soap.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor/.
 P311 Call a POISON CENTER/doctor//physician.
 P312 Call a POISON CENTER/doctor /physician if you feel unwell.
 P321 Specific treatment (see product documents and other cautions on this label).
 P330 Rinse mouth.
 P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.
 P363 Wash contaminated clothing before reuse.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container to product documents and other cautions.

2.3. Other hazards

Not applicable

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No.	Concentration	Classification	R-phrase H-phrase
phosphoric acid ... %, orthophosphoric acid ... %	7664-38-2 231-633-2	<5%	C Skin Corr. 1B	R34 H314
ammonium bifluoride	1341-49-7 215-676-4	<1%	C, T, Xi Skin Corr. 1B, Acute Tox. 3 - oral	R25, R34, R36/38 H301, H314

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311 Call a POISON CENTER/doctor/?. P311 Call a POISON CENTER/doctor/?. P321 Specific treatment (see .? on this label).

Skin contact

P302 + P352 IF ON SKIN: Wash with plenty of water/?. P312 Call a POISON CENTER/doctor .? if you feel unwell. P321 Specific treatment (see .? on this label). P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.

Eye contact

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/?.

Ingestion

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/?. P321 Specific treatment (see .? on this label). P330 Rinse mouth.



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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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

corrosive

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

Not applicable

6.3. Methods and material for containment and cleaning up

Not applicable

6.4. Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

P280 Wear protective gloves/protective clothing/eye protection/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Not applicable

7.3. Specific end use(s)

Not applicable



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

OSHA PEL (mg/m3): Phosphoric acid = 1, ACGIH TLV (mg/m3): Phosphoric acid = 1

National occupational exposure limits

Ingredient	CAS no.	EC No.	Exposure limit mg/m3-ppm		Short-term exposure limit mg/m3-ppm		Remark	Source	Year
Phosphoric acid	7664-38-2	231-633-2	-	-	-	-	-	OSHA	2016
Ammonium bifluoride	1341-49-7	215-676-4	2,5	-	-	-	as F	OSHA	2016

8.2. Exposure controls

Technical precaution measures

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Eye / face protection

P280 Wear eye protection. P280 Wear face protection. Chemical resistant goggles must be worn.

Safety gloves

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Yellow liquid

Appearance, colour

Amber

Appearance, physical state

Not applicable

Auto-ignition temperature

Not applicable

Boiling point

212 °F

Decomposition temperature

Not applicable

Evaporation rate

1 (Water=1)

Explosive properties

Not applicable

Flammability (solid, gas)

Not applicable

Flash point

Not applicable

Initial boiling point and boiling range

Not applicable

Melting point / freezing point

Not applicable

Odour

Not applicable



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Odour treshold	Not applicable
Oxidising properties	Not applicable
Partition coefficient: n-octanol / water	Not applicable
pH value	Not applicable
Physical state	Liquid
Relative density	Not applicable
Solubility	Not applicable
Solubility in water	Complete
Upper / lower flammability or explosive limits	Not applicable
Vapour density	Not applicable
Vapour pressure	Not applicable
Viscosity	Not applicable

Specific Gravity - (H₂O=1) 1.079, VOC% - 1%

9.2. Other information

Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No hazards to be especially mentioned.

10.2. Chemical stability

Chemical stability Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Not applicable

10.4. Conditions to avoid

Conditions to avoid Keep out of reach of children.

10.5. Incompatible materials

Incompatible materials strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products carbon monoxide carbon dioxide (CO₂)



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity	Not applicable
skin corrosion/irritation	Not applicable
serious eye damage/irritation	Not applicable
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

SECTION 12: Ecological information

12.1. Toxicity

Aquatic	Toxic to aquatic organisms, may cause pH changes in aqueous ecological systems.
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12.2. Persistence and degradability

Not applicable

12.3. Bioaccumulative potential

Not applicable

12.4. Mobility in soil

Not applicable

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



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Disposal considerations Do not dispose of waste into sewer. Dispose of as special waste in compliance with local and national regulations
P501 Dispose of contents and container by lawful and appropriate disposal method.

SECTION 14: Transport information

14.1. UN number

UN number NA1760

14.2. UN proper shipping name

Name Compounds, cleaning liquid (Phosphoric acid)

IMDG proper shipping name Corrosive liquid (Phosphoric acid)

14.3. Transport hazard class(es)

Label NA1760

14.4. Packing group

Packing group II

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
The following metallic components are listed as SARA 313 "Toxic Chemicals" and potential subject



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to annual SARA 313 reporting. See Section 3 for weight percent.

Ingredient name/ Disclosure threshold
Nickel /0.1% de minimis concentration
Copper / 1.0% de minimis concentration

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) 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

Phrase meaning
C - Corrosive
T - Toxic
Xi - Irritant
Acute Tox. 3 - oral - Acute toxicity, oral, hazard category 3
Skin Corr. 1B - Skin corrosion, hazard category 1B
R22 - Harmful if swallowed.
R25 - Toxic if swallowed.
R34 - Causes burns.
R36/38 - Irritating to eyes and skin.
H301 - Toxic if swallowed.
H314 - Causes severe skin burns and eye damage.

Other

Additional information 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", 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. 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



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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. 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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