



SAFETY DATA SHEET

This Safety Data Sheet complies with Annex II of 830/2015 amending EC No. 1907/2006, CLP directive 1272/2008, also in accordance with ISO 11014-1 and ANSI Z400.1

All-State No. 430 Acid Flux

Issued: 2018-01-14

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

1.1. Product identifier

Trade name All-State No. 430 Acid Flux

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

Use General Purpose Soft Soldering Flux

1.3. Details of the supplier of the safety data sheet

SDS created by TDS Team

Supplier ESAB DENTON

Street address 2800 Airport Road
Denton, TX 76207

Telephone 1-800-372-2123

Email sdsrequest@esab.com

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 H302, H314, H319, H360FD, H400, H410

2.2. Label elements

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

Pictogram



Signal word

Danger

Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H360FD May damage fertility. May damage the unborn child
H410 Very toxic to aquatic life with long lasting effects.



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Precaution statements

P234 Keep only in original container.
P260 Do not breathe dust/fumes/gas/mist/vapors/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.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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.
P312 Call a POISON CENTER/doctor or physician if you feel unwell.
P321 Specific treatment (see product documents and other cautions on this label).
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P402 Store in a dry place.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

More information

Appearance: White to Pale Yellow
Physical State: Liquid
Odor: Slightly acidic

2.3. Other hazards

None

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SECTION 3: Composition/information on ingredients*3.2. Mixtures*

Chemical name	CAS No. EC No.	Concentration	Classification	R-phrase H-phrase
Zinc chloride	7646-85-7 231-592-0	15 - 40%	- Aquatic Acute 1, Aquatic Chronic 1, Skin Corr. 1B, Acute Tox. 4 - oral	- H302, H314, H410
Hydrochloric acid	7647-01-0 231-595-7	10 - 30%	- -	- -
Ammonium chloride	12125-02-9 235-186-4	3 - 7%	- Eye Irrit. 2, Acute Tox. 4 - oral	- H302, H319
Methanol	67-56-1 200-659-6	1 - 5%	- Flam. Liq. 2, STOT SE 1, Acute Tox. 3 - oral, Acute Tox. 3 - dermal, Acute Tox. 3 - inhalation	- H225, H301, H311, H331, H370
Stannous Fluoroborate	13814-97-6 237-487-6	1 - 5%	- -	- -
Boric acid	10043-35-3 233-139-2	0,1 - 1%	- Repr. 1B	- H360FD

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

Consult a physician. Show this safety data sheet to the doctor in attendance. Move patient out of dangerous area.

Inhalation

Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If rash or burns develops, consult a physician. Material is corrosive. Wash contaminated clothing before reuse and discard shoes.

Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Blindness can result.

Ingestion

If swallowed, DO NOT induce vomiting. Immediately give large quantities of water to drink. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

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

The most important known symptoms and effects are described in the labeling (see Section 2.2) and/or in Section 11.

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

No data available



SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hydrogen chloride gas, zinc/zinc oxides. Dense smoke may be generated.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.

Other

No data available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Wear hand, head, eyes, ear and body protection like welders gloves, helmet or face shield with filter lens, safety boots, apron, arm and shoulder protection. Keep protective clothing clean and dry.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable and closed containers for disposal.

6.4. Reference to other sections

For disposal see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions Wash thoroughly after handling to remove residue. Do not breathe fumes. Professionally wash contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Store flux at ambient conditions. Keep extremely dry. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

Use industrial hygiene monitoring equipment to ensure that exposure does not exceed applicable national exposure limits. The following limits can be used as guidance. Unless noted, all values are for 8 hour time weighted averages (TWA).

National occupational exposure limits

Ingredient	CAS no.	EC No.	Exposure limit mg/m ³ -ppm		Short-term exposure limit mg/m ³ -ppm		Ceiling exposure limit mg/m ³ -ppm		Remark	Source	Year
			1	-	-	-	-	-			
Zinc chloride	7646-85-7	231-592-0	1	-	-	-	-	-	-	OSHA	2017
Ammonium chloride	12125-02-9	235-186-4	-	-	-	-	-	-	NO PEL	OSHA	2017
Hydrochloric acid	7647-01-0	231-595-7	-	-	-	-	-	5	-	OSHA	2017
Methanol	67-56-1	200-659-6	-	200	-	-	-	-	-	OSHA	2017
Boric acid	10043-35-3	233-139-2	-	-	-	-	-	-	NO PEL	OSHA	2017
Stannous Fluoroborate	13814-97-6	237-487-6	2	-	-	-	-	-	as Sn	OSHA	2017

8.2. Exposure controls

Technical precaution measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye / face protection

Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Safety gloves

4.3.2 All welders and cutters shall wear protective flame-resistant gloves. All gloves shall be in good repair, dry, and capable of providing protection from electric shock by the welding equipment.
E4.3.2 Gloves made of leather, rubber, or other suitable materials are recommended. Insulating linings should be used to protect areas exposed to high radiant energy.
E11.4.9.3 Use of damp or wet gloves may lead to electric shock. Where moisture or perspiration is a problem, rubberized gloves or other insulating means should be used

Other skin protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Full Contact: Material: Suitable protective clothing. Rubber boots. Rubber gloves. Rubber apron.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, colour	Pale yellow
Appearance, physical state	Liquid
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Evaporation rate	<1
Explosive properties	Not applicable
Flammability (solid, gas)	Not applicable
Flash point	160° - 165° F
Initial boiling point and boiling range	~215°F @ 760 mm Hg
Melting point / freezing point	Not applicable
Odour	Slightly acidic
Odour treshold	Not applicable
Oxidising properties	Not applicable
Partition coefficient: n-octanol / water	Not applicable
pH value	<1
Relative density	1.59 H ₂ O = 1 @ 72° F
Solubility	Appreciable
Upper / lower flammability or explosive limits	None
Vapour density	<1
Vapour pressure	3.5
Viscosity	Not applicable

9.2. Other information

Percent volatiles by weight <20%



SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No data available

10.2. Chemical stability

Chemical stability Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No data available

10.4. Conditions to avoid

Conditions to avoid No data available

10.5. Incompatible materials

Incompatible materials Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Other decomposition products: No data available
In the event of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on toxicological effects Inhalation of welding fumes and gases can be dangerous to your health. Classification of welding fumes is difficult because of varying base materials, coatings, air contamination and processes. The International Agency for Research on Cancer has classified welding fumes as possibly carcinogenic to humans (Group 2B).

Acute toxicity No data available

Skin corrosion/irritation No data available

Serious eye damage/irritation No data available

Respiratory/skin sensitization No data available

Germ cell mutagenicity No data available

Genotoxicity No data available

Carcinogenicity No data available

Repeated dose toxicity No data available

Reproductive toxicity No data available

STOT-single exposure No data available

STOT-repeated exposure No data available



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Aspiration hazard No data available

LD50 Oral Zinc chloride 350 mg/kg/Rat
Ammonium chloride 1650 mg/kg/Rat
Methanol 143 mg/kg/Human

LD50 Dermal Methanol 17,100 mg/kg/Rabbit

LC50 Inhalation Methanol 128.2 mg/kg/Rat

Toxicity in case of skin contact

Other

Methanol may be fatal or cause blindness if swallowed. Effects due to ingestion may include: headache, dizziness, drowsiness, metabolic acidosis, coma, seizures. Symptoms may be delayed. Damage of the: liver, kidney. Stomach - Irregularities - Based on Human Evidence

Zinc chloride and its aqueous solutions are corrosive to the eyes and skin. They cause conjunctivitis and corneal burns in the eye and produce chemical burns, particularly on areas where the skin is broken. Ingestion produces a corrosive action to the mouth, throat, and digestive tract which can include symptoms of stomach pain, nausea, vomiting, bloody diarrhea, swelling of the throat, blood in the urine, and shock. Inhalation irritates the nose and throat (onset may be delayed by several hours), and pneumonia. Fatalities have occurred by inhalation and ingestion.

Hydrochloric acid is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Inhalation symptoms include cough, wheezing, laryngitis, shortness of breath, spasm, inflammation and edema of the larynx and bronchi, pneumonia, and pulmonary edema.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity No data available

Toxicity Glycerin: No data available

Aquatic Zinc chloride: EC50 - Daphnia magna (Water flea) - 0.2 mg/l - 48 h
Ammonium chloride: LC50 - Daphnia magna (Water flea) - 161 mg/l - 48 h
Methanol: EC50 - Daphnia magna (Water flea) - > 10,000.00 mg/l - 48 h

Soil No data available

Acute fish toxicity Hydrochloric acid: LC50 - Gambusia affinis (Mosquito fish) - 282 mg/l - 96 h
Zinc chloride: LC50 - Cyprinus carpio (Carp) - 0.4 - 2.2 mg/l - 96.0 h
Ammonium chloride: LC50 - Cyprinus carpio (Carp) - 209.00 mg/l - 96 h
Ammonium chloride: LC50 - Oncorhynchus mykiss (Rainbow trout) - 3.98 mg/l - 96 h
Ammonium chloride: NOEC - Oncorhynchus mykiss (Rainbow trout) - 57 mg/l - 96 h
Methanol: Mortality LC50 - Lepomis macrochirus (Bluegill) - 15,400.0 mg/l - 96 h
Methanol: NOEC - Oryzias latipes - 7,900 mg/l - 200 h

Acute algae toxicity Zinc chloride: Growth inhibition LOEC - Pseudokirchneriella subcapitata - 12.5 mg/l - 96 h
Methanol: Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 22,000.0 mg/l - 96 h

Acute crustacean toxicity No data available

Chronical toxicity No data available



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12.2. Persistence and degradability

Persistence and degradability	Methanol: Biodegradability: Aerobic - Exposure time 5 d - Result: 72% - rapidly biodegradable
	Methanol: Biochemical oxygen demand (BOD) = 600 - 1,120 mg/g
	Methanol: Chemical oxygen demand (COD) = 1,420 mg/g
	Methanol: Theoretical oxygen demand (ThOD) = 1,500 mg/g

Decay/transformation	No data available
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12.3. Bioaccumulative potential

Bioaccumulative potential	Zinc chloride: Pimephales promelas (fathead minnow) - 63 d
	Zinc chloride: Bioconcentration factor (BCF): 21,000
	Methanol: Cyprinus carpio (Carp) - 72 d at 20°C - 5 mg/l
	Methanol: Bioconcentration factor (BCF): 1

12.4. Mobility in soil

Mobility	No data available
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
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12.6. Other adverse effects

Other adverse effects	Avoid release to the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
	Methanol: At 19°C 83 - 91% - 72 h
	Remarks: Hydrolyses on contact with water. Hydrolyses readily.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations	Product: Hazardous waste USA RCRA: This product or product residue is considered hazardous waste if discarded, RCRA ID characteristic toxic Hazardous Waste D002. (https://rcrainfo.epa.gov/rcrainfoweb/action/modules/main/glossary/waste;jsessionid=A98F2456754BC0CE970C52F4E3AA429F) Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
	Contaminated packaging: Dispose of as unused product.

SECTION 14: Transport information

14.1. UN number

UN number	1760
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14.2. UN proper shipping name

Name Corrosive Liquid, N.O.S. (Zinc Chloride, Hydrochloric Acid)

14.3. Transport hazard class(es)

IMDG Class 8 - Corrosive material 49 CFR 173.136

IMDG Marine Pollutant

Yes. Unless your shipments qualify for an exemption, you must mark the products with the marine pollutant mark and add the words "Marine Pollutant" to the product's basic description on your bill of lading.

14.4. Packing group

Packing group PG II

14.5. Environmental hazards

Environmental hazards Marine pollutant

14.6. Special precautions for user

Special precautions for user ERG Guide No. 154

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

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL. of 19 November 2008. on waste and repealing certain Directives.
European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.



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Other regulations, limitations and legal regulations

Poland Regulations:

ACT of 25 February 2011 on the chemical substances and their mixtures(OJ # 63, poz. 322).

Regulation of the Minister of Labour and Social Policy of 6 June 2014 on Maximum Permissible Concentration and Intensity of Agents Harmful to Health in the Working Environment (Dz. u. z. 2014, poz 817).

The Act on Waste of 14 December 2012, Journal of Laws of 2013, item 21 with amendments

Act of 13th June 2013 on packaging management and packaging waste (Journal of Laws of 2013, item 888).

Regulation of the Minister of the Environment of 9 December 2014 on waste catalogue (Journal of Laws of 2014, item 1923).

Regulation of the Minister of Economy of 21 December 2005. Concerning essential requirements for personal protective equipment (Journal. Laws No. 259, item. 2173).

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the working environment (the Journal of Laws 2011, no. 33, item 166).

USA Regulations :

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.)

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.

EPCRA/SARA Title III 313 Toxic Chemicals: The following metallic components are listed as SARA 313 "Toxic Chemicals" and potential subject to annual SARA 313 reporting. See Section 3 for weight percent.

Canada: WHMIS classification: Class D; Division 2, Subdivision A

International Inventories:

Australia: The substance(s) in this product is/are in compliance with the inventory requirements of Australian Inventory of Chemical Substances (AICS)

United States EPA Toxic Substance Control Act: All constituents of this product are on the TSCA inventory list or are excluded from listing.

Canadian Environmental Protection Act (CEPA): All constituent(s) of this product is/are on the Domestic Substance List (DSL).

15.2. Chemical safety assessment

Chemical safety assessment

No data available

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 modifications to Sections 1-16. This SDS supersedes... 1027/05



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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

Acute Tox. 3 - dermal - Acute toxicity, dermal, hazard category 3
Acute Tox. 3 - inhalation - Acute toxicity, inhalation, hazard category 3
Acute Tox. 3 - oral - Acute toxicity, oral, hazard category 3
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1
Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1
Eye Irrit. 2 - Eye irritation, hazard category 2
Flam. Liq. 2 - Flammable liquids, hazard category 2
Repr. 1B - Reproductive toxicity, hazard category 1B
Skin Corr. 1B - Skin corrosion, hazard category 1B
STOT SE 1 - Specific Target Organ Toxicity — Single exposure, hazard category 1
H225 - Highly flammable liquid and vapour.
H301 - Toxic if swallowed.
H302 - Harmful if swallowed.
H311 - Toxic in contact with skin.
H314 - Causes severe skin burns and eye damage.
H319 - Causes serious eye irritation.
H331 - Toxic if inhaled.
H360FD - FD May damage fertility. May damage the unborn child
H370 - Causes damage to organs.
H410 - Very toxic to aquatic life with long lasting effects.

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", 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 of 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 products

Request such customers to notify employees and customers for the same product hazards and safety information.

The information herein is given in good faith and based on technical data that ESAB believes to be reliable. Since the conditions of use is outside our control, we assume no liability in connection with any use of this information and no warranty expressed or implied is given. Contact ESAB for more information.