



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

Aristo Anti Spatter Fluid

Issued: 2018-01-14

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

1.1. Product identifier

Trade name Aristo Anti Spatter Fluid

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

Product type Surface protection

Use Prevents welding spatter from sticking

1.3. Details of the supplier of the safety data sheet

SDS created by TDS Team

Supplier ESAB AB

Street address Box 8004
402 77 Göteborg
Sweden

Telephone +46 31 509000

Email sdsrequest@esab.com

Web site www.esab.com

1.4. Emergency telephone number

Emergency phone number +46 31 509000

Available outside office hours No

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



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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
(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2	<100%	- -	- -
Glycerol	56-81-5 200-289-5	<100%	- -	- -

SECTION 4: First aid measures

4.1. Description of first aid measures

No special precautions required.

Inhalation	Move to fresh air and call for medical aid.
Skin contact	Generally the product does not irritate the skin.
Eye contact	Rinse immediately with plenty of water and seek medical advice.
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	In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.
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5.2. Special hazards arising from the substance or mixture

Not applicable

5.3. Advice for firefighters

Special protective equipment for fire-fighters	Wear respiratory protection.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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.



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6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up

Small amounts of spilled liquid soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for disposal and utilized.

6.4. Reference to other sections

No dangerous reaction known under conditions of normal use
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment. No special precautions required.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions No special precautions required.
Ensure effective ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Observe official regulations on storing pressurized containers.

7.3. Specific end use(s)

Not applicable

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). For information about welding fume analysis refer to Section 10.

National occupational exposure limits

Ingredient	CAS no. EC No.	Exposure limit mg/m3-ppm		Short-term exposure limit mg/m3-ppm		Remark	Source	Year
Glycerol	56-81-5 200-289-5	15	-	-	-	Total dust	OSHA	2017
Glycerol	56-81-5 200-289-5	5	-	-	-	Respirable fraction	OSHA	2017
(2-methoxymethylethoxy) propanol	34590-94-8 252-104-2	-	-	-	-	No PEL	OSHA	2017

8.2. Exposure controls

Technical precaution measures The usual precautionary measures are to be adhered to when handling chemicals.

Eye / face protection Use eye protection.



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Safety gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Appearance	Not applicable
b) Odour	characteristic
c) Odour treshold	Not applicable
d) pH value	Not applicable
e) Melting point / freezing point	Not applicable
f) Initial boiling point and boiling range	Not applicable
g) Flash point	61 °C
h) Evaporation rate	Not applicable
i) Flammability (solid, gas)	Not applicable
j) Upper / lower flammability or explosive limits	Not applicable
k) Vapour pressure	at 20 °C: 23 hPa
l) Vapour density	Not applicable
m) Relative density	Not applicable
n) Solubility	Not applicable
o) Partition coefficient: n-octanol / water	Not applicable
p) Auto-ignition temperature	400 °C
q) Decomposition temperature	Not applicable
r) Viscosity	Not applicable
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable
Density	at 20 °C: 1.029 g/cm ³

9.2. Other information

Not applicable



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SECTION 10: Stability and reactivity

10.1. Reactivity

Not applicable

10.2. Chemical stability

Not applicable

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

Information on toxicological effects No data available

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

Aspiration hazard No data available

LD50 Oral No data available

LD50 Dermal No data available

LC50 Inhalation No data available



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Routes of exposure No data available

Other

Acute effects No data available

Long term effect No data available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity No data available

Toxicity No data available

Aquatic No data available

Soil No data available

Acute fish toxicity No data available

Acute algae toxicity No data available

Acute crustacean toxicity No data available

Chronical toxicity No data available

12.2. Persistence and degradability

Persistence and degradability No data available

Decay/transformation No data available

12.3. Bioaccumulative potential

Bioaccumulative potential No data available

12.4. Mobility in soil

Mobility No data available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No data available

12.6. Other adverse effects

Other adverse effects Do not allow to enter sewers/ surface or ground water.

Other

Additional instructions Water hazard class: slightly hazardous for water



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Smaller quantities can be disposed of with household waste.

SECTION 14: Transport information

14.1. UN number

UN number

UN 1950

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

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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National regulations

Technical instructions (air):
Class Share in %
Wasser 50-100
NK 10-<25
VOC-CH 2.70 %
VOC-EU 213.4 g/l
Danish MAL Code 3-1

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.

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.



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SECTION 16: Other information

Changes to previous revision

This Safety Data Sheet has been revised due to modifications to Sections 1-16.

References to key literature and data sources

Refer to ESAB "Welding & Cutting - Risks and Measures", F52-529 "Precautions and Safe Practices for ARC WELDING, CUTTING & GOUGING" and F2035 "Precautions and Safe Practices for Gas Welding, Cutting and Heating" available from ESAB Website. www.esab.com

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: Germany: Accident prevention regulation BGV D1, "Welding, cutting and related processes".

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 products

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

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