ESAB ®

SAFETY DATA SHEET

Page: 1(5)
SDS Number: 7958-Y
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This Safety Data Sheet complies with Regulation (EC) No. 1907/2006, ISO 11014-1 and ANSI Z400.1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	ESAB BARE ALUMINUM WELDING ELECTRODES AND RODS
Application:	Arc Welding & Gas Welding
Classification:	AWS A5.10
Supplier:	THE ESAB GROUP, INC., 801 Wilson Avenue, Hanover, PA 17331
Telephone No.:	1-717-637-8911, 1-800-933-7070
Emergency No.:	1-717-637-8911 and 1-800-424-9300 (CHEMTREC)
Web site:	www.esabna.com

2. HAZARDS IDENTIFICATION

Emergency Overview: Metal wires or rods in varying colors. These products are normally not considered hazardous as shipped. Gloves should be worn when handling to prevent cuts and abrasions.

Skin contact is normally no hazard but should be avoided to prevent possible allergic reactions.

Persons with a pacemaker should not go near welding or cutting operations until they have consulted their doctor and obtained information from the manufacturer of the device.

When these products are used in a welding process, the most important hazards are heat, radiation, electric shock and welding fumes.

Heat:	Spatter and melting metal can cause burn injuries and start fires.
Radiation:	Arc rays can severely damage eyes or skin.
Electricity:	Electric shock can kill.
Fumes:	Overexposure to welding fumes may result in symptoms like metal fume fever, dizziness, nausea, dryness or irritation of the nose, throat or eyes. Chronic overexposure to welding fumes may affect pulmonary function. Prolonged inhalation of chromium compounds above safe exposure limits can cause cancer. Overexposure to manganese and manganese compounds above safe exposure limits can cause irreversible damage to the central nervous system, including the brain, symptoms of which may include slurred speech, lethargy, tremor, muscular weakness, psychological disturbances and spastic gait.

3. COMPOSITION/INFORMATION ON INGREDIENTS

These products are continuous metal wire and solid metal rods.

Ingredients	REACH Reg. #	CAS#	EINECS#	Hazard classification[1]	IARC[2]	NTP[3]	OSHA List[4]
Aluminum	--	7429-90-5	231-072-3	F; R15 R10 stabilized F; R15-17 pyrophoric	--	--	--
Beryllium	--	7440-41-7	231-150-7	Carc. Cat. 2; R49 T+; R26 T; R25-48/23 Xi; R36/37/38 R43	1	K	--
Chromium	--	7440-47-3	231-157-5	No	--	--	--
Copper	--	7440-50-8	231-159-6	No	--	--	--
Iron	01-2119462838-24	7439-89-6	231-096-4	No	--	--	--
Magnesium	--	7439-95-4	231-104-6	No	--	--	--
Manganese	--	7439-96-5	231-105-1	No	--	--	--
Silicon	--	7440-21-3	231-130-8	No	--	--	--
Titanium	--	7440-32-6	231-142-3	No	--	--	--
Zinc	--	7440-66-6	231-175-3	F; R15-17 N; R50-53	--	--	--
Zirconium	--	7440-67-7	231-176-9	F; R15-17	--	--	--

[1] Hazard Classification according to European Council Directive 67/548/EEC, for R-phrases, see Section 16.
[2] Evaluation according to the International Agency for Research on Cancer.
  1 –Carcinogenic to humans. 2A – Probably carcinogenic to humans. 2B – Possibly carcinogenic to humans.
[3] Classification according to the 11th Report on Carcinogens, published by the US National Toxicology Program.
  K – Known Carcinogen   S – Suspect Carcinogen
[4] Carcinogen listing according to OSHA, Occupational Safety & Health Administration (USA).

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