



Document 107-00

Date 30/09/11

Fiche technique de sécurité - ISO 11014-1

Auteur : s.moos

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Austinox MIG 307
Austinox MIG 308 LSI
Austinox MIG 309 LSI
Austinox MIG 316 LSI

According AWS A5.9

1. PRODUCT AND COMPANY DESIGNATION

Product type	MIG welding wire
Supplier	Sadev Group SAS
Adress	2 Allée des Faisans – 74600 - Seynod
Telephone	+33 4 50 33 70 00
Fax	+33 4 50 33 70 38

2. DETAILS OF COMPOSITION

Type: Preparation or substance

Dangerous ingredients (if applicable):

Name	Concentration	CAS-no.
Nickel (metal)	< 30	7440-02-0
Chromium and chromium alloys or compounds (as Cr)	< 30	7440-47-3
Manganese and/or manganese alloys or compounds (as Mn)	< 8	7439-96-5
Molybdenum alloys (as Mo)	< 5	7439-98-7
Niobium and/or alloys or compounds (as Nb)	< 1	7440-03-0
Copper and/or alloys (as Cu)	< 2	7440-50-8
Tungsten and/or alloys (as W)	< 1	7440-33-7

3. POTENTIAL RISKS

Classification

During welding fumes will be formed. The content is depending on the wire type and the base material. Primarily iron oxide; secondarily complex oxides of manganese, nickel, chromium and molybdenum may be formed. Also ozone and nitrogen dioxide can be formed by arc radiation.

4. FIRST AID MEASURES

If inhaled	Not applicable (During welding fume can be inhaled: bring patient in fresh air; breath in fresh air deeply. Contact physician if necessary).
If skin contact occurs	Not applicable.

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If it comes into contact with eyes
Remarks

Not applicable (During welding: see if inhaled)

5. FIRES PREVENTION MEASURES

Suitable extinguishing media

All known extinguishing substances may be used

6. MEASURES IN CASE OF UNINTENTIONAL RELEASE

Personal protective measures

None.

Environmental protection measures

No special measures are required.

Cleaning methods

Dispose material according to point 13

7. HANDLING AND STORAGE

Handling

No special measures are necessary.

Storage

Special requirements

No special measures are necessary.

Incompatible products

Not applicable.

Packaging material

No special requirements.

8. EXPLOSION PREVENTION/PERSONNEL PROTECTION (contamination)

Measures to limit explosions

No further measures

REMARK

During welding fumes will be formed. The content is depending on the wire type and the base material. Primarily iron oxide; secondarily complex oxides of manganese, nickel, chromium and molybdenum may be formed. Also ozone and nitrogen dioxide can be formed by arc radiation.

Possible reaction products

CAS-no.	Description	MAC-value (NL) [mg/m ³] TGG 8
	Welding fume	3,5
7439-96-5	Manganese oxide	1
1313-99-1	Nickel oxide	0.1
13765-19-0	Cr ^{vi} compounds	0,025
7440-33-7	Tungsten oxide	1
10028-15-6	Ozone	0,12
10102-44-0	Nitrogen dioxide	4

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Personal protection

Breathing protection

None (see item 16).

Ensure adequate ventilation. Possibly use breathing masks see UVV (VGB 15) paragraph 27.

Protection of hands

Use suitable hand protection.

Eye protection

Use protective glasses.

Protection of skin and body

Use well fitting working clothes and during welding a welding helmet.

Hygiene regulations

In case of dust or smoke: keep foodstuffs sealed.
Avoid direct skin contact.
Store and wash working clothes separately.
Clean face and hands thoroughly before eating/drinking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Further information

Physical state

Form

Wire.

Colour

Odour

None.

Other information

pH value

Not applicable.

Melting point

1000 - 1500°C.

Ignition point

Not applicable.

Explosion limits

Non-explosive.

Density

-

Solubility in water

Insoluble.

10. STABILITY AND REACTIVITY

Avoid contact with

Strong acid and base solutions

Dangerous residual products

Not known for unused product; see also item 8

11. DATA REGARDING TOXICITY

SEE ITEM 3 AND 8

12. ECOLOGICAL DATA

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No harmful effects of this product on the environment are known.

13. DISPOSAL DATA

Product	Contact government for regulations
Packaging	Contact government for regulations

14. TRANSPORT INFORMATION

ADR/RID	No dangerous substance
ADN/ADNR	No dangerous substance
IMDG	No dangerous product
ICAO/IATA-DGR	No dangerous substance

15. REGULATIONS

Protect yourself and others. Take precautions when welding. Follow your employers' safety practice, which should be based on manufacturers hazard data available to your employer. Fumes and gases can be dangerous to your health. Arc rays can injure eyes and burn skin. Electric shock can kill. Read and understand the manufacturers instructions and your employer's safety practices. Keep your head out of the fumes. Use enough ventilation, exhaust at the arc, or both, to keep fumes and gases from your breathing zone, and the general area. Wear correct eye, ear and body protection. Do not touch live electrical parts.

U.K.: see WMA No.236 and 237 and HSE Guidance Note EH 40. U.S.A.: See American Standard Z 49.1 "Safety in Welding and Cutting", published by the American Welding Society, 550 Le Jeune Rd, Miami, Florida 33126-5699; OSHA Safety and Health Standards, 29 CFR 1910, available from U.S. Government printing office, Washington D.C. 20402-0001.

16. OTHERS INFORMATIONS

All national/local prescriptions remain applicable. The data given in this sheet relate to the unused product, unless specified otherwise. During usage dangerous products can be formed (welding fume, radiation, etc.).

Above-mentioned values are no guarantee for product properties. They are based on current knowledge.

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