

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

#### 1.1. Product identifier

Product name : FLUXINOX 22 9 3 L PF  
Product code : T-00348

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

##### 1.2.1. Relevant identified uses

Main use category : Gas shielding electric arc welding flux cored wire

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

TALARC PTY LTD  
10-16 Syme Street, Brunswick, VIC 3056  
Australia  
T +61 3 9388 0588  
[www.talarc.com](http://www.talarc.com)

#### 1.4. Emergency telephone number

Emergency number : + 61 3 9388 0588

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1 H317  
Carc. 2 H351  
STOT RE 2 H373

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Warning

Hazardous ingredients : nickel

Hazard statements (CLP) : H317 - May cause an allergic skin reaction  
H351 - Suspected of causing cancer  
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (CLP) : P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Extra phrases : However the form in which product is placed on the market does not present a danger, such preparations do not require a label

#### 2.3. Other hazards

Heat : Spatter and melting metal can cause burn injuries

Radiation : UV, IR radiations Arc ray can severely damage eyes or skin

Fumes : Formation of dangerous fumes during use Inhalation of welding fumes may cause respiratory irritation Cough Excessive or prolonged inhalation of fumes may cause metal fume fever

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Gases	: Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NOx)
Electricity	: Electric shocks can kill
Magnetic fields	: 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

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
nickel	(CAS No) 7440-02-0 (EC no) 231-111-4 (EC index no) 028-002-00-7 (REACH-no) 01-2119438727-29	7 - 15	Carc.Cat.3; R40 T; R48/23 R43
sodium fluoride	(CAS No) 7681-49-4 (EC no) 231-667-8 (EC index no) 009-004-00-7	0,1 - 1	T; R25 Xi; R36/38 R32

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
nickel	(CAS No) 7440-02-0 (EC no) 231-111-4 (EC index no) 028-002-00-7 (REACH-no) 01-2119438727-29	7 - 15	Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372
sodium fluoride	(CAS No) 7681-49-4 (EC no) 231-667-8 (EC index no) 009-004-00-7	0,1 - 1	Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: If breathing becomes difficult (due to inhalation of fume), take the patient to fresh air and get them to breathe deeply. Seek medical attention if symptoms persist.
First-aid measures after skin contact	: In case of burn with hot metal, flush with plenty of water. Take off immediately all contaminated clothing. Seek medical attention if burns develop.
First-aid measures after eye contact	: In case of burn with hot metal, flush with plenty of water. Seek medical attention immediately.
First-aid measures after ingestion	: Ingestion unlikely. Obtain emergency medical attention.

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

Symptoms/injuries : See Heading 2.3.

#### 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	: Powder.
Unsuitable extinguishing media	: Water.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not classified as flammable by EC criteria.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Not specifically applicable.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

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### 6.2. Environmental precautions

Not specifically applicable.

### 6.3. Methods and material for containment and cleaning up

Other information : Contain and collect as any solid.

### 6.4. Reference to other sections

See Heading 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Local exhaust and general ventilation must be adequate to meet exposure standards.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry protected location to prevent any moisture contact.

### 7.3. Specific end use(s)

Not applicable.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

sodium fluoride (7681-49-4)		
EU	IOELV TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

### 8.2. Exposure controls

Hand protection : Welding gloves.  
Eye protection : Use a protection mask equipped with suitable filter glasses.  
Skin and body protection : Skin protection appropriate to the conditions of use should be provided.  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Colour : Grey.  
Odour : odourless.  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : ca 1500 °C  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : 6 - 8  
Solubility : Insoluble.  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

None under normal conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Not applicable.

#### 10.4. Conditions to avoid

None under normal conditions.

#### 10.5. Incompatible materials

Contact with chemical substances like acids ou bases could cause generation of gas.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products : Formation of dangerous fumes during use Welding fumes are classified carcinogen by the IARC (International Agency for Research on Cancer) : Group 2B - Cancer suspected agent

Fume Data Sheet : These hazardous products could include those from the reaction or oxidation of the components listed in section 3 or included in base material Reasonably expected gaseous products would include carbon oxides, nitrogen oxides and ozone

Fumes Emission Rate : The amount of fumes generated change with the welding parameters and the diameters of the consummable Refer to applicable national exposure limits for fume compounds and national exposure limits for fumes

Other information : In case of work on parts covered by coatings such as : Lubricant, Solvent, Paint, Metallic compounds, Grease, etc.. The thermal or photochemical decomposition products of these elements cumulate with the dusts and fumes emitted by the melting of the welding product The solution to adopt must be, in any case, preceeded by a spot study Refer to the document "Health and Safety in Welding "published by the International Institute of Welding (IIS/IIW)"

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

sodium fluoride (7681-49-4)	
LD50 oral rat	223 mg/kg
ATE CLP (oral)	100,000 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

sodium fluoride (7681-49-4)	
LC50 fish 1	51 mg/l
EC50 Daphnia 1	338 (trichoptera aquatic larvea)

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

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### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : 12 01 13 Welding wastes (Q8). 16 01 17 Ferrous metal (Q1). 16 01 18 Non-ferrous metal (Q1).

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not regulated for transport

### 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

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

No additional information available

#### 14.6.2. Transport by sea

No additional information available

#### 14.6.3. Air transport

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Directive RoHS 2011/65 - Can be used in the fabrication of electric and electronic devices.

#### 15.1.2. National regulations

Water hazard class (WGK) : 2 - hazard to waters

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of R-, H- and EUH-statements:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H301	Toxic if swallowed
H315	Causes skin irritation

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H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure

SDS EU (REACH Annex II) - ALW - FUMES

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*