



N : Dangerous for the environment



Xi : Irritant



F+ : Extremely flammable

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the product : FLUXO S190
 Company identification : AIR LIQUIDE WELDING FRANCE
 13 rue d'Epluches - Saint Ouen l'Aumône
 BP 70024
 95315 Cergy-Pontoise Cedex - France
 Tel: + 33 1 34 21 33 33
 Emergency phone nr : +33 (0)1.45.42.59.59

2 HAZARDS IDENTIFICATION

Adverse human health effects : Irritating to skin. Extremely flammable.
 Environmental hazard : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3 COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
Petroleum gas	> 30 %	68512-91-4	270-990-9	649-083-00-0	-----	Carc. Cat. 1; R45 Muta. Cat. 2; R46 ----- Carc. 1A Muta. 1B
Heptane	> 50 %	142-82-5	205-563-8	601-008-00-2	-----	F; R11 Xi; R65 R67 Xi; R38 N; R50-53 ----- Flam. Liq. 2 Asp. Tox 1 Skin Irrit. 2 STOT RE 3 Aquatic Acute 1 Aquatic Chronic 1

4 FIRST AID MEASURES

- Inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
 - Skin contact : Take off immediately all contaminated clothing. Flush with plenty of water. Seek medical advice.
 - Eye contact : Rinse immediately with plenty of water. Seek medical attention immediately.
 - Ingestion : Rinse mouth. Do not induce vomiting. Obtain emergency medical attention.

5 FIRE-FIGHTING MEASURES

Flammable class : Highly flammable.
 Extinguishing media : Powder. Foam. Carbon dioxide.
 Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions : Equip clean-up crew with proper protection.
After spillage and/or leakage : Clean up any spills as soon as possible, using an absorbent material to collect it.

7 HANDLING AND STORAGE

- Storage : Store in dry protected location to prevent any moisture contact. Keep container closed when not in use.
Avoid contact with : Strong oxidizing agents. Acids. Strong bases.
Handling : Provide local exhaust or general room ventilation to minimize fumes concentrations. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protection**

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe gas/fumes/vapour.
- Hand protection : Gloves.
- Skin protection : Skin protection appropriate to the conditions of use should be provided.
- Eye protection : Safety glasses.

Occupational Exposure Limits

Substance	CAS	Limit Value (8 hrs)	Limit Value (15 mn)
Heptane (Europe)	142-82-5	2085 mg/m3	-

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Liquid. Aerosol.
Colour : Colourless.
Odour : Characteristic.
Initial boiling point [°C] : 95 - 100
Density [kg/m3] : 760
Solubility in water : Miscible.
Flash point [°C] : -4
Explosion limits - lower [%] : 1
Explosion limits - upper [%] : 6.7

10 STABILITY AND REACTIVITY

- Stability : Stable under normal conditions.
Materials to avoid : Oxidizing agent. Strong bases. Strong acids.

11 TOXICOLOGICAL INFORMATION

- Toxicity information : May irritate eyes and skin. Inhalation of vapours may cause respiratory irritation.

12 ECOLOGICAL INFORMATION

Ecological effects information : Avoid release to the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS

Disposal : Dispose in a safe manner in accordance with local/national regulations.

14 TRANSPORT INFORMATION

Hazard Label(s)

**General information**

- Proper shipping name : UN1950 AÉROSOLS, 2.1, 5F, (D)
- UN No. : 1950

Land transport

- H.I. nr : --

Sea transport

- IMO-IMDG : Class 2
IMO Packing group : F
- EMS-Nr : F-D S-U

Air transport

- ICAO/IATA : Packaging instructions cargo : 203
Packaging instructions passenger: 203
- IATA : 2
IATA Packing group : F

15 REGULATORY INFORMATION

Symbol(s) : Extremely flammable.
Irritant.
Dangerous for the environment.

R Phrase(s) : R12 : Extremely flammable.
R38 : Irritating to skin.
R67 : Vapours may cause drowsiness and dizziness.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) : Do not breathe gas/fumes/vapour/spray.
S24/25 : Avoid contact with skin and eyes.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
S51 : Use only in well-ventilated areas.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.
S2 : Keep out of the reach of children.

16 OTHER INFORMATION

Warning : Fumes and gases emitted during welding may be dangerous. Good ventilation of the workplace required.

16 OTHER INFORMATION (continued)

Directive 2002/95/CE (ROHS)	: Can be used in the fabrication of electric and electronic devices
Text of R-Phrases in § 3	: R11 : Highly flammable. R38 : Irritating to skin. R45 : May cause cancer. R46 : May cause heritable genetic damage. R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 : Harmful : may cause lung damage if swallowed. R67 : Vapours may cause drowsiness and dizziness.
Training advice	: Ensure that user is aware of the potential hazards and knows what to do in the event of an accident or an emergency.
Recommended uses and restrictions	: Contact your supplier in case of doubt.
Further information	: Revision - See : *
The contents and the format of this safety data sheet comply with Regulation (EC) No 1907/2006 of the European Parliament.	

DISCLAIMER OF LIABILITY : The information in this sheet is based on the knowledge available when it was published. The user must ensure that the information is applicable and exhaustive for the application. The information contained in this sheet is only applicable for this product. The product must not be used for any application that is not allowed, in this case we will not be responsible for any damage caused. The user must respect current Safety, Health and Environmental legislation. This information concerns Safety and is not a substitute to the technical data of the product. This sheet cancels and replaces the previous ones.

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