

Safety data

according to 1907/2006 / EC, Article 31



Revision Date: 2025-02-06

1 Identification of the substance / mixture and of the company / business

- **Product Identifier**
- **Product Name: Metaflux 70-91 SPRAY ELECTRIC CONTACT**
- **Relevant identified uses of the substance or mixture and uses**
No further relevant information available.
- **Application of the substance / the preparation** lubricants
- **Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
SODITEC Sarl
24, Rue Joseph Marie Jacquard - BP 40180, F-67400 Illkirch

Such. ++ 33 (0) 388 552 940
Email: soditec-metaflux@wanadoo.fr
- **Information department:** Such. ++ 33 (0) 388 552 940
- **Emergency telephone number:**
Canutec: 1-613-996-6666

2 Identification of risks

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
EUH066 Repeated exposure may cause dryness or cracking of the skin.



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: may burst under the effect of heat.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Directive 67/548 / EEC or Directive 1999/45 / EC**



F +; Extremely flammable R12:

Extremely flammable.



NOT; Dangerous for the environment R51 / 53:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66-67:

Repeated exposure may cause skin dryness or cracking skin. The inhalation of vapours can cause tiredness and dizziness.

- **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Prolonged or repeated contact with the skin can cause dermatitis (inflammation of skin) due to solvent degreasing effect. Warning! pressure vessel. A narcotizing effect.

- **Classification system**

The classification corresponds to current EC lists and is completed by information from technical literature and by information provided by the company.

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· **Label elements**

· **Labeling according to Regulation (EC) No 1272/2008**

The product is classified and labeled according to the CLP regulation.

· **Hazard pictograms**



GHS02 GHS07

· **Signal word**

Danger

· **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurized container: may burst under the effect of the heat.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary**

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition - no smoking.

P251 Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P271 Use only outdoors or in a well ventilated area.

P260 Do not breathe vapors.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F. P501

Dispose of contents / container as hazardous waste.

· **Additional information:**

EUH066 Repeated exposure may cause dryness or cracking of the skin.

· **other hazards**

· **Results of PBT and vPvB**

· **PBT:** Not applicable.

· **vPvB** Not applicable.

3 Composition / Information on Ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with harmless additions.

· **Dangerous components:**

CAS: 64741-65-7 EC number: 918-167-1 Reg.nr.: 01-2119472146-39	Hydrocarbons, C11-C12 isoalkanes, aromatics <2% Xn R65 R53-66 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413	25-50%
CAS: 74-98-6 EINECS: 200-827-9	propane F + R12 Flam. Gas 1, H220; Press. Gas, H280	25-50%
CAS: 64742-53-6 EINECS: 265-156 Reg.nr.: 01-2119480375-34	Light naphthenic distillates (petroleum), hydrotreated Asp. Tox. 1, H304	10- <25%

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CAS: 109-66-0 EINECS: 203-692-4	<p>pentane</p> <p> Xn R65; F + R12; N R51 / 53</p> <p>R66-67</p> <p> Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336</p> <p> !</p>	3- <10%
EC number: 931-254-9 Reg.nr. : 01-2119484651-34	<p>Hydrocarbons, C6, isoalkanes, <5% n-hexane</p> <p> Xn R65; Xi R38; F R11; N R51 / 53</p> <p>R67</p> <p> Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336</p> <p> !</p>	3- <10%
CAS: 64742-95-6 EC number: 918-668-5 Reg.nr. : 01-2119455851	<p>Solvent naphtha (petroleum)</p> <p> Xn R65; Xi R37; N R51 / 53; R10-66-67</p> <p> Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336</p> <p> !</p>	3- <10%
CAS: 110-82-7 EINECS: 203-806-2	<p>cyclohexane</p> <p> Xn R65; Xi R38; F R11; N R51 / 53</p> <p>R67</p> <p> Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336</p> <p> !</p>	2,5- <3%
EC number: 926-605-8 Reg.nr. : 01-2119486291-36	<p>Hydrocarbons, C6-C7, iso-alkanes, cyclo-alkanes,</p> <p> Xn R65; F R11; N R51 / 53</p> <p>R66-67</p> <p> Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336</p> <p> !</p>	0.3- <1%
CAS: 110-54-3 EINECS: 203-777-6	<p>n-hexane</p> <p> Xn R48 / 20-62-65; Xi R37; F R11; N R51 / 53</p> <p>R67 Repr. Cat. 3</p> <p> Flam. Liq. 2, H225; Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336</p> <p> !</p>	0.3- <1%

· **Additional information:**

For the wording of risk phrases refer to section 16.

The / substance (s) in the following product has / have an identification by CAS number or in countries not concerned by the REACH Regulation either not yet updated regulations to reflect the new solvent naming convention hydrocarbon.

4 First aid

· **First aid**

· **General remarks:**

Take affected persons into fresh air.

Do not leave affected persons unattended.

· **After inhalation** Supply fresh air, consult doctor in case of symptoms.

· **After skin contact:** In case of contact with skin, wash with water and soap.

· **After eye contact:**

Rinse eyes under running water for several minutes, holding the eyelids apart.

· **After swallowing:** Do not induce vomiting; call for medical assistance.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **Indication of immediate medical attention and special treatment needed**
No further relevant information available.

5 Measures against fire

- **Suitable extinguishing agents**
- **Suitable extinguishing agents**
CO₂, dry powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Unsuitable extinguishing agents for safety reasons:** Inkjet High volume water
- **Special hazards arising from the substance or mixture**
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear a respirator.
- **further information** Cool endangered receptacles with water spray.

6 Measures Accidental Release

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected people.
- **Measures for environmental protection:**
Do not discharge into sewers into surface waters and ground water.
- **Methods and materials for containment and cleaning:**
Ensure adequate ventilation.
Collecting liquid with an absorbent material (sand, diatomite, acid binder, sawdust).
- **Reference to other sections**
To obtain information on safe handling See Section 7. To obtain information on personal protection equipment, refer to Section 8 for information on disposal, see Chapter 13.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation / exhaustion at the workplace. Open and handle container with care.
- **Information about fire and explosion protection:**
Keep away from sources of ignition - no smoking.
Pressurized container: protect against sunlight and do not expose to temperatures exceeding 50 ° C (e.g., filament lamps). Do not pierce or burn even after use. Do not spray on a naked flame or incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements for storage rooms and containers:**
Store in a cool place.
Comply with the legal requirements for the storage of pressurized packages.
- **Information about storage:** Not necessary.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers. Protect from heat and direct sunlight.
- **Recommended storage temperature:** 15 - 35 ° C, max. 50 ° C
- **Use (s) end (s) special (s)** No further relevant information available.

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8 Exposure controls / personal protection

· **Additional information about design of technical facilities:**

No further data; see item 7.

· **Control parameters**

· **Components with limit values to be monitored at the workplace: 109-66-0 pentane**

VME (France) Long-term value: 3000 mg / m³, 1000 ppm
IOELV (EU) Long-term value: 3000 mg / m³, 1000 ppm

110-82-7 cyclohexane

VME (France) value: 1300 mg / m³, 375 ppm
Long-term value: 700 mg / m³, 200 ppm (11)

IOELV (EU) Long-term value: 700 mg / m³, 200 ppm

110-54-3 n-hexane

VME (France) Long-term value: 72 mg / m³, 20 ppm

R2

IOELV (EU) Long-term value: 72 mg / m³, 20 ppm

· **Additional information:**

This document is based on the lists valid at the time of its development.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic**

Wash hands before breaks and after work. Do not inhale gases, vapors and aerosols.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Hand protection:**

· **Material of gloves** If contamination: nitrile gloves (EN 374, 0.4 mm; permeation > 480min)

· **Penetration time of glove material** > 480 min

· **Eye protection:** in the event of contamination of eyes: Goggles

9 Physical and chemical properties

· **basic physical and chemical properties Information**

· **General Information**

· **Form:**

Aerosol

· **Color:**

Transparent

· **Odour:**

gender oil

· **Change in condition**

· **Melting point:**

Not determined.

· **Boiling point:**

- 44 ° C

The data refer to the propellant

· **Flash point**

Not applicable, as aerosol.

· **Ignition temperature: 285 ° C**

· **Self-igniting:**

The product does not ignite spontaneously.

· **Explosion hazard:**

Risk of explosion at a temperature > 50 ° C. In use formation of explosive mixtures with air is possible

· **Explosion limits: Lower:**

1,7 Vol%

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superior:	10.9 Vol%
Pressure (20 ° C)	2.5 to 4.5 bar
· Density at 20 ° C:	0.67 g / cm ³
· Solubility in / Miscibility with water:	Fully miscible
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content: Organic	
solvents:	16.3%
VOC (EC)	86.6%
VOC	86.6%
	0.232 kg / 400 ml
· Other information	No further relevant information available.
· further information	Vapours are heavier than air.

10 Stability and reactivity

- **Reactivity**
- **chemical stability**
- **Thermal decomposition / conditions to avoid:** Risk of explosion by heating > 50 ° C.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known
- **Additional information:** term storage up to 24 months.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD / LC50 values relevant for classification:		
64741-65-7 hydrocarbons, C11-C12 isoalkanes, aromatics <2%		
Oral	LD50	> 5000 mg / kg (rat)
Inhalation	LC50 / 4 h	5 mg / l (rat)
74-98-6 propane		
Inhalation	LC50 / 4 h	> 20 mg / l (rat)
Light naphthenic 64742-53-6 Distillates (petroleum), hydrotreated		
Oral	LD50	> 5000 mg / kg (rat)
dermal	LD50	> 5000 mg / kg (rabbit)
64742-95-6 solvent naphtha (petroleum)		
Oral	LD50	> 6800 mg / kg (rat)
dermal	LD50	> 3400 mg / kg (rab)
Inhalation	LC50 / 4 h	> 10.2 mg / l (rat)
110-82-7 cyclohexane		
Oral	LD50	12705 mg / kg (rat)

- **Primary irritant effect:**
- **skin:** Low irritant - does not require labeling.
- **eyes:** No irritant effect.

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· **Sensitization:** No irritant effect.

12 Ecological information

· **Toxicity**

· **Aquatic Toxicity:**

64741-65-7 hydrocarbons, C11-C12 isoalkanes, aromatics <2%

EC50	> 1000 mg / kg (jg)
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64742-95-6 solvent naphtha (petroleum)

EC 50 / 48h 3.2	mg / l (daphnia)
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· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Potential for bioaccumulation** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Note:** Harmful to fish.

· **Additional ecological information:**

· **General information**

Harmful to aquatic organisms.

Water hazard class 2 () (Self): Do not allow to reach ground water, water course or sewage system. Danger to drinking water from leaking a small amount into the subsoil.

· **Results of PBT and vPvB**

· **PBT:** Not applicable.

· **vPvB** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Considerations Disposal

· **Waste treatment methods**

· **Recommendation:**

empty cans: recycling

Non-empty aerosols: remove with special waste

· **European Waste Catalog**

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST 16 05 00 gas pressure receptacles
----------	------------------------------------------------------------------------------

	and chemicals discarded
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May 16 04 *	gas pressure receptacles (including halons) containing dangerous substances
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· **Uncleaned packaging:**

· **Recommendation:** Disposal according to official regulations.

14 Transport information

· **UN No.**

· **ADR, IMDG, IATA**

UN1950

· **UN shipping name**

· **ADR**

1950 AEROSOLS

· **IMDG**

AEROSOLS

· **IATA**

AEROSOLS, flammable

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· **Class (es) for transport**

· **ADR**



· **Class** 2.5F Gases.

· **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1

· **Label** 2.1

· **Packing Group**

· **ADR, IMDG, IATA** nothingness

· **Environmental hazards:**

· **Marine pollutant:** No

· **Special precautions for user** Warning: Gases.

· **Kemler index:** -

· **EMS:** FD, SU

· **Transport in bulk according to Annex II of MARPOL 73/78 and the**

IBC Code Not applicable.

· **Further transport information:**

· **ADR**

· **(LQ)** 1L

· **Transport category** 2

· **Tunnel restriction code** D

· **Remarks:** Limited Quantity (LQ2) Brand carton: UN 1950 (rhombus)

Mention the document transportation: transport mode following the 3.4 ADR

· **"Regulation" of the UN:** UN1950, AEROSOLS, 2.1

15 Regulations

· **Regulations / legislation specific for the substance or mixture Safety, health and environment**

· **National regulations**

· **Information about limitation of use:** Observe employment restrictions for young people.

Class Share in%	
I	0.9
NK	28.7

· **Evaluation of chemical safety:** An evaluation of chemical safety was not achieved.

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16 Other information

These data are based on our current knowledge but does not constitute a guarantee for any specific product features and shall not establish a legally binding contract.

· **important Phrases**

H220 Extremely flammable gas. H225 Highly flammable liquid and vapor. H226 Flammable liquid and vapor.

H280 Contains gas under pressure; can explode when heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361f Suspected of damaging fertility.

H373 May cause damage to organs after repeated exposure or exposure extended.

H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic organisms. R10

Flammable.

R11 Highly flammable. R12 Extremely flammable. R37

Irritating to the respiratory tract. R38

Irritating to the skin.

R48 / 20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. R50 / 53 Very toxic to aquatic organisms, may cause long-term adverse effects

the aquatic environment.

R51 / 53 Toxic to aquatic organisms, may cause long-term adverse effects the aquatic environment.

R53 May cause long-term adverse effects in the aquatic environment. R62 Possible risk of impaired fertility.

R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause dryness or cracking of the skin. R67 Vapors may cause drowsiness and dizziness.

· **Abbreviations and acronyms:**

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail ICAO: International Civil Aviation Organization

ADR: European Agreement on the Transport of Dangerous Goods by Road IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

· * **Data compared to the previous version**

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