

## Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

#### 1.1. Product identifier

Code: 4110021870  
Product name: OIL FOR FILLETING SPRAY

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

Intended use: Spray lubricant for dies

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

Name: Meccanocar Italia S.r.l.  
Full address: Via San Francesco, 22  
District and Country: 56033 Capannoli (PI)  
Italy

Tel. +39 0587 609433

Fax +39 0587 607145

e-mail address of the competent person

responsible for the Safety Data Sheet

Supplier:

moreno.meini@meccanocar.it

#### 1.4. Emergency telephone number

For urgent inquiries refer to

National Poisons Information Service: +44 121 507 4123

### SECTION 2. Hazards identification

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

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Aerosol, category 1	H222 H229	Extremely flammable aerosol. Pressurised container: may burst if heated.
Reproductive toxicity, effects on or via lactation	H362	May cause harm to breast-fed children.
Hazardous to the aquatic environment, acute toxicity, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, chronic toxicity, category 1	H410	Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

## 4110021870 - OIL FOR FILLETING SPRAY

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Danger

Hazard statements:

**H222** Extremely flammable aerosol.  
**H229** Pressurised container: may burst if heated.  
**H362** May cause harm to breast-fed children.  
**H410** Very toxic to aquatic life with long lasting effects.  
**EUH066** Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P251** Do not pierce or burn, even after use.  
**P410+P412** Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.  
**P211** Do not spray on an open flame or other ignition source.  
**P101** If medical advice is needed, have product container or label at hand.  
**P501** Dispose of contents / container in accordance with local regulations.

**Contains:** C-14-17 CLORINATED PARAFFINS

### 2.3. Other hazards

PBT substances contained:

C-14-17 CLORINATED PARAFFINS

The product does not contain substances with endocrine disrupting properties in concentration  $\geq 0.1\%$ .

## SECTION 3. Composition/information on ingredients

### 3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
<b>C-14-17 CLORINATED PARAFFINS</b>		
CAS 85535-85-9	$45 \leq x < 47,5$	Lact. H362, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=10, EUH066
EC 287-477-0		
INDEX 602-095-00-X		
REACH Reg. 01-2119519269-33-XXXX		
<b>ISOBUTANE</b>		

**4110021870 - OIL FOR FILLETING SPRAY**

CAS 75-28-5 22,5 ≤ x &lt; 24 Flam. Gas 1A H220, Press. Gas H280

EC 200-857-2

INDEX 601-004-00-0

REACH Reg. 01-2119485395-27-XXXX

**BUTANE**

CAS 106-97-8 22,5 ≤ x &lt; 24 Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U

EC 203-448-7

INDEX 601-004-00-0

REACH Reg. 01-2119474691-32-XXXX

**PROPANE**

CAS 74-98-6 8 ≤ x &lt; 9 Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U

EC 200-827-9

INDEX 601-003-00-5

REACH Reg. 01-2119486944-21-XXXX

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 53,00 %

**SECTION 4. First aid measures****4.1. Description of first aid measures**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

**4.3. Indication of any immediate medical attention and special treatment needed**

Information not available

**SECTION 5. Firefighting measures****5.1. Extinguishing media****SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

**4110021870 - OIL FOR FILLETING SPRAY**

None in particular.

**5.2. Special hazards arising from the substance or mixture****HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

**5.3. Advice for firefighters****GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**SECTION 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

**6.2. Environmental precautions**

Do not disperse in the environment.

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

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

**6.4. Reference to other sections**

Any information on personal protection and disposal is given in sections 8 and 13.

**SECTION 7. Handling and storage****7.1. Precautions for safe handling**

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

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

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

**7.3. Specific end use(s)**

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
GBR	TLV-ACGIH RCP TLV	ACGIH 2021 ACGIH TLVs and BEIs – Appendix H

C-14-17 CLORINATED PARAFFINS

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,1	mg/l
Normal value in marine water	0,02	mg/l
Normal value for fresh water sediment	13	mg/kg
Normal value for marine water sediment	2,6	mg/kg
Normal value of STP microorganisms	80	mg/l
Normal value for the food chain (secondary poisoning)	10	mg/kg
Normal value for the terrestrial compartment	11,9	mg/kg

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Chronic systemic	Effects on workers		Chronic local	Chronic systemic
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic		
Oral				0,58 mg/kg bw/d				
Inhalation				2 mg/m3				6,7 mg/m3
Skin				28,75 mg/kg bw/d				47,9 mg/kg bw/d

BUTANE

Threshold Limit Value					
Type	Country	TWA/8h	STEL/15min	Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm
VLA	ESP		1000		Gases
VLEP	FRA	1900	800		
TLV	NOR	600	250		
NDS/NDSch	POL	1900		3000	
WEL	GBR	1450	600	1810	750
TLV-ACGIH					1000

ISOBUTANE

Threshold Limit Value					
Type	Country	TWA/8h	STEL/15min	Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm

RCP TLV	1000	RESP
PROPANE		
Threshold Limit Value		
Type	Country	TWA/8h
		STEL/15min
		Remarks / Observations
		mg/m3
		ppm
		mg/m3
		ppm
VLA	ESP	1000
TLV	NOR	900
		500
NDS/NDSch	POL	1800
TLV-ACGIH		1000
Legend:		
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.		
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.		
8.2. Exposure controls		
As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.		
When choosing personal protective equipment, ask your chemical substance supplier for advice.		
Personal protective equipment must be CE marked, showing that it complies with applicable standards.		
HAND PROTECTION		
None required.		
SKIN PROTECTION		
Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.		
EYE PROTECTION		
Wear airtight protective goggles (see standard EN 166).		
RESPIRATORY PROTECTION		
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).		
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.		
ENVIRONMENTAL EXPOSURE CONTROLS		
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.		
Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.		
ISOBUTANE		
Suitable glove material Protective gloves, eg. nitrile butadiene rubber gloves (NBR), leather gloves, heat insulating		
Selection of protective gloves to meet specific workplace requirements.		
Suitability for specific workplaces should be clarified with the manufacturers of protective gloves.		
The information is based on our tests, references from literature and information from glove manufacturers or derived by analogy with similar materials.		
Remember that the useful time per day of a chemical protective glove can be much shorter than the breakthrough time determined according to EN 374		

due to the many influencing factors involved.

## SECTION 9. Physical and chemical properties

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

Properties	Value	Information
Appearance	aerosol	
Colour	colourless	
Odour	characteristic	
Melting point / freezing point	Not available	
Initial boiling point	Not available	
Flammability	Not available	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Flash point	< 0 °C	
Auto-ignition temperature	Not available	
pH	Not available	
Kinematic viscosity	Not available	
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	Not available	
Vapour pressure	Not available	
Density and/or relative density	0,82	
Relative vapour density	Not available	
Particle characteristics	Not applicable	

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Information not available

#### 9.2.2. Other safety characteristics

Information not available

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

C-14-17 CLORINATED PARAFFINS

**4110021870 - OIL FOR FILLETING SPRAY**

SADT >200°C/392°F.

**10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**C-14-17 CLORINATED PARAFFINS**

It can react with alkaline and earth alkaline metals which have a strong affinity for chlorine. It can react with iron, zinc and aluminum at high temperatures leading to decomposition.

**BUTANE**

Vapors can form an explosive mixture with air.

**ISOBUTANE**

Vapors can form an explosive mixture with air.

**10.4. Conditions to avoid**

Avoid overheating.

**C-14-17 CLORINATED PARAFFINS**

Strong oxidizing agents, heat and hot surfaces. Medium chain chlorinated paraffins tend to soften or inflate most gums.

**BUTANE**

Avoid heat and sources of ignition.

**ISOBUTANE**

Keep away from heat and other causes of fire.

**10.5. Incompatible materials**

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

**BUTANE**

Strong oxidizing agents, chlorine, oxygen.

**ISOBUTANE**



**4110021870 - OIL FOR FILLETING SPRAY**

Strong oxidizing agents, chlorine, oxygen.

**10.6. Hazardous decomposition products****C-14-17 CLORINATED PARAFFINS**

Prolonged heating at temperatures in excess of 70 ° C or heating above 200 ° C for short periods will result in the decomposition and release of hydrogen chloride.

**BUTANE**

In case of fire or production of thermal decomposition, for example, carbon monoxide, carbon dioxide (CO<sub>2</sub>).

**ISOBUTANE**

In case of fire or production of thermal decomposition, for example, carbon monoxide, carbon dioxide (CO<sub>2</sub>).

**SECTION 11. Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

**4110021870 - OIL FOR FILLETING SPRAY**ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

## C-14-17 CLORINATED PARAFFINS

LD50 (Oral):

&gt; 4000 mg/kg Rat - Wistar

LC50 (Inhalation vapours):

&gt; 48,17 mg/l Rat

## BUTANE

Method: Not indicated

Reliability: 2

Species: Rat (Alderley Park (SPF); male / female)

Route of exposure: Inhalation

Results: LC50: 1 443 mg / L air

## PROPANE

Method: To study the concentrations at which the effects of the CNS occur following exposure by inhalation to propane by measuring LC50 (15 min) and EC50 (CNS) (10 min) in rats.

Reliability: 2

Species: Rat (Alderley Park (SPF); male / female)

Route of exposure: Inhalation

Results: LC50&gt; 800 000 ppm

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

## C-14-17 CLORINATED PARAFFINS

Method: OECD 404

Reliability: 2

Species: Rabbit

Route of exposure: Dermal

Results: Slightly irritating

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

## C-14-17 CLORINATED PARAFFINS

Method: Not indicated

Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Ocular

Results: Slightly irritating

**4110021870 - OIL FOR FILLETING SPRAY**RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization**C-14-17 CLORINATED PARAFFINS**

Method: RAR (EU, 2008)

Reliability: 2

Species: guinea pig

Route of exposure: Dermal

Results: Not sensitizing

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

**C-14-17 CLORINATED PARAFFINS**

Method: Frequency of mutant colonies evaluated in a genetic mutation test (HPRT) with a C10-13 chlorinated paraffin (56% chlorination) - in vitro test

Reliability: 2

Species: Chinese hamster

Results: Negative with or without metabolic activation

Method: Equivalent or similar to OECD 475 in vivo test

Reliability: 2

Species: Rat (Fischer 344; male)

Route of exposure: Oral

Results: Negative

**BUTANE**

Method: OECD 471 in vitro test

Reliability: 1

Species: Salmonella strains, S. typhimurium

Results: Negative without metabolic activation

Method: OECD 474-test in vivo

Reliability: 1

Species: Rat (Sprague-Dawley CD; male / female)

Route of exposure: Inhalation (gas)

Results: Negative

**PROPANE**

Method: OECD 471 in vitro test

Reliability: 1

Species: Histidine Salmonella

**4110021870 - OIL FOR FILLETING SPRAY**

Results: Negative with or without metabolic activation  
Method: OECD 474-test in vivo  
Reliability: 1  
Species: Rat (Sprague-Dawley CD; male / female)  
Route of exposure: Inhalation (gas)  
Results: Negative

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

May cause harm to breast-fed children.

**BUTANE**

Method: OECD 413

Reliability: 1

Species: Rat (Sprague-Dawley CD; male / female)

Route of exposure: Inhalation

Results: NOAEC 10000 ppm

Adverse effects on sexual function and fertility**C-14-17 CLORINATED PARAFFINS**

Method: Equivalent or similar to OECD 414

Reliability: 2

Species: Rabbit (Dutch)

Route of exposure: Oral

Results: NOAEL (development) 100 mg / kg bw / day

**PROPANE**

Method: OECD 413

Reliability: 1

Species: Rat (Sprague-Dawley CD; male / female)

Route of exposure: Inhalation

Results: NOAEC (fertility) 10 000 ppm

Adverse effects on development of the offspring**C-14-17 CLORINATED PARAFFINS**

Method: Equivalent or similar to OECD Preliminary Reproduction Toxicity Screening Test

Reliability: 2

Species: Rat (Charles River COBS CD; male / female)

Route of exposure: Oral

Results: NOAEL (fertility) ca. 400 mg / kg bw / day

**4110021870 - OIL FOR FILLETING SPRAY****PROPANE**

Method: EPA OPPTS 870.3700

Reliability: 1

Species: Rat (VAF / Plus®, Sprague-Dawley Derived (CD®) Crl: CD® IGS BR)

Route of exposure: Inhalation (gas)

Results: NOAEC (development) 10 426 ppm

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

**C-14-17 CLORINATED PARAFFINS**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

**BUTANE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

**ISOBUTANE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

**PROPANE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

**4110021870 - OIL FOR FILLETING SPRAY****C-14-17 CLORINATED PARAFFINS**

Method: Equivalent or similar to OECD 408

Reliability: 2

Species: Rat (Fischer 344; male / female)

Route of exposure: Oral

Results: NOAEL 300 ppm

**BUTANE**

Method: OECD 413

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Inhalation (gas)

Results: NOAEC = 10000 ppm

**ISOBUTANE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

**PROPANE**

Method: OECD 422

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Inhalation (gas)

Results: NOAEC 16 000 ppm

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

**11.2. Information on other hazards**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

**SECTION 12. Ecological information**

## 4110021870 - OIL FOR FILLETING SPRAY

This product is dangerous for the environment and highly toxic for aquatic organisms. In the long term, it have negative effects on aquatic environment.

**12.1. Toxicity**

## C-14-17 CLORINATED PARAFFINS

LC50 - for Fish

> 5000 mg/l/96h *Alburnus alburnus*

EC50 - for Crustacea

0,0077 mg/l/48h *Daphnia magna*

EC50 - for Algae / Aquatic Plants

> 3,2 mg/l/72h *Pseudokirchnerella subcapitata*

Chronic NOEC for Crustacea

0,01 mg/l *Daphnia magna***12.2. Persistence and degradability**

## BUTANE

Quickly degradable in water.

## BUTANE

Solubility in water

0,1 - 100 mg/l

Rapidly degradable

## PROPANE

Solubility in water

0,1 - 100 mg/l

Rapidly degradable

## C-14-17 CLORINATED PARAFFINS

Solubility in water

&lt; 0,1 mg/l

NOT rapidly degradable

**12.3. Bioaccumulative potential**

## BUTANE

Partition coefficient: n-octanol/water

1,09

## PROPANE

Partition coefficient: n-octanol/water

1,09

## C-14-17 CLORINATED PARAFFINS

Partition coefficient: n-octanol/water

7,2

**12.4. Mobility in soil**

## C-14-17 CLORINATED PARAFFINS

Partition coefficient: soil/water

5

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

PBT substances contained:

## C-14-17 CLORINATED PARAFFINS

## 4110021870 - OIL FOR FILLETING SPRAY

**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

**12.7. Other adverse effects**

Information not available

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

**CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**BUTANE**

No waste key number according to the European list of waste types can be assigned to this product, since this classification is based on the use (not yet determined) for which the product is intended for the consumer.

The key number for the waste must be determined according to the European waste type list (decision on the EU waste type list 2000/532 / EC) in collaboration with the disposal company / producer / authority Official.

**ISOBUTANE**

Compliance with local regulations, e.g. incineration through flaring system.

No waste key number according to the European list of waste types can be assigned to this product, since this classification is based on the use (not yet determined) for which the product is intended for the consumer.

The key number for the waste must be determined according to the European waste type list (decision on the EU waste type list 2000/532 / EC) in collaboration with the disposal company / producer / authority Official.

**SECTION 14. Transport information****14.1. UN number or ID number**

ADR / RID, IMDG, 1950  
IATA:

**14.2. UN proper shipping name**

ADR / RID: AEROSOLS  
IMDG: AEROSOLS  
IATA: AEROSOLS, FLAMMABLE

**14.3. Transport hazard class(es)**

ADR / RID: Class: 2 Label: 2.1





## 4110021870 - OIL FOR FILLETING SPRAY

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1

**14.4. Packing group**ADR / RID, IMDG, -  
IATA:**14.5. Environmental hazards**

ADR / RID: NO

IMDG: NO

IATA: NO

**14.6. Special precautions for user**

ADR / RID: HIN - Kemler: --

Limited  
Quantities: 1  
LTunnel  
restriction  
code: (D)

IMDG: Special provision: -

EMS: F-D, S-U

Limited  
Quantities: 1  
L

IATA: Cargo:

Maximum  
quantity: 150  
Kg  
Maximum  
quantity: 75  
Kg  
A145, A167,  
A802Packaging  
instructions:  
203  
Packaging  
instructions:  
203

Pass.:

Special provision:

**14.7. Maritime transport in bulk according to IMO instruments**

Information not relevant

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EU: P3a-E1

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product

Point 40

Contained substance

Point 75

**4110021870 - OIL FOR FILLETING SPRAY**

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

C-14-17 CLORINATED PARAFFINS

REACH Reg.: 01-2119519269-33-XXXX

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

## 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Flam. Gas 1A</b>	Flammable gas, category 1A
<b>Aerosol 1</b>	Aerosol, category 1
<b>Aerosol 3</b>	Aerosol, category 3
<b>Press. Gas</b>	Pressurised gas
<b>Press. Gas (Liq.)</b>	Liquefied gas
<b>Lact.</b>	Reproductive toxicity, effects on or via lactation
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment, chronic toxicity, category 1
<b>H220</b>	Extremely flammable gas.
<b>H222</b>	Extremely flammable aerosol.

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<b>H229</b>	Pressurised container: may burst if heated.
<b>H280</b>	Contains gas under pressure; may burst if heated.
<b>H362</b>	May cause harm to breast-fed children.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

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  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
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  4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
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  16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
  17. Regulation (EU) 2019/1148
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- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**CALCULATION METHODS FOR CLASSIFICATION**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.