

**SAFETY DATA SHEET**  
**According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH**

GRASSO SPRAY LUBRIFICANTE  
cod. 54270001  
Revision: 16 / IT

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Date of print: 07/04/2022  
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## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Code: 54270001  
Product name: GRASSO SPRAY LUBRIFICANTE  
UFI: H721-60T4-D00J-2GTK

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

Intended use: LUBRICATING GREASE

Identified Uses	Industrial	Professional	Consumer
PROFESSIONAL USE	-	-	PC: 9a.
INDUSTRIAL USE	AC: 2. PC: 14.	AC: 2. PC: 14.	-

Uses advised against: This product is not recommended for all those uses not specifically identified on the label.

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

Name: SARATOGA INT. SFORZA S.P.A.  
Full address: Via Edison 76  
District and Country: 20090 Trezzano s/Naviglio (MI)  
ITALY  
tel. 0039. 02 445731  
fax 0039. 02 4452742

e-mail address of the competent person responsible for the Safety Data Sheet: trading@saratogasforza.com

### 1.4. Emergency telephone number

For urgent inquiries refer to:  
CAV - Ospedale Pediatrico "Bambino Gesù" - Roma - Tel. +39 06 68593726 (h24)  
CAV - Azienda Ospedaliero-Universitaria Foggia - Foggia - Tel. +39 0881 732326 (h24)  
CAV - Azienda Ospedaliera "A. Cardarelli" - Napoli - Tel. +39 081 7472870 (h24)  
CAV - Policlinico "Umberto I" - Roma - Tel. +39 06 4450618 (h24)  
CAV - Policlinico "A. Gemelli" - Roma - Tel. +39 06 3054343 (h24)  
CAV - Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica - Firenze - Tel. +39 055 7947819 (h24)  
CAV - Centro Nazionale di Informazione Tossicologica - Pavia - Tel. +39 0382 24444 (h24)  
CAV - Ospedale "Niguarda Ca' Granda" - Milano - Tel. +39 02 66101029 (h24)  
CAV - Azienda Ospedaliera "Papa Giovanni XXIII" - Bergamo - Tel. +39 800 883300 (h24)  
CAV - Azienda Ospedaliera Integrata Verona - Verona - Tel. +39 800 011858 (h24)

## 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.

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Hazard classification and indication:

Aerosol, category 1	H222 H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

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

Hazard pictograms:



Signal words:                      Danger

Hazard statements:

<b>H222</b>	Extremely flammable aerosol.
<b>H229</b>	Pressurized container: may burst if heated.
<b>H412</b>	Harmful to aquatic life with long lasting effects.

Precautionary statements:

<b>P101</b>	If medical advice is needed, have product container or label at hand.
<b>P102</b>	Keep out of reach of children.
<b>P210</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>P211</b>	Do not spray on an open flame or other ignition source.
<b>P251</b>	Pressurized container: do not pierce or burn, even after use.
<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P273</b>	Avoid release to the environment.
<b>P410+P412</b>	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
<b>P501</b>	Dispose of the contents and the container in authorized collection centers.

**2.3. Other hazards**

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

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:

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Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
<b>OLIO MINERALE HYDROTREAT (DMSO &lt; 3% IP364)</b>		
CAS 8042-47-5	$50 \leq x < 75$	Asp. Tox. 1 H304, Classification note according to Annex VI to the CLP Regulation: P
EC 232-455-8		
INDEX -		
REACH Reg. 01-2119487078-27		
<b>BUTANE</b>		
CAS 106-97-8	$15 \leq x < 30$	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		
<b>PROPANE</b>		
CAS 74-98-6	$5 \leq x < 15$	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		
<b>Naphtha (petroleum), hydrotreated light</b>		
CAS 64742-49-0	$2,5 \leq x < 6,5$	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411, Classification note according to Annex VI to the CLP Regulation: P
EC 265-151-9		
INDEX 649-328-00-1		
REACH Reg. 01-2119475515-33		
<b>Isobutane</b>		
CAS 75-28-5	$1 \leq x < 5$	Flam. Gas 1A H220, Classification note according to Annex VI to the CLP Regulation: C
EC 200-857-2		
INDEX 601-004-00-0		
REACH Reg. 01-2119485395-27-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: 34,90 %

## 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. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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**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**

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.

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## 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.

Storage class TRGS 510 (Germany):  
2B

### 7.3. Specific end use(s)

Information not available

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Regulatory References:

DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
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
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία``»
GBR	United Kingdom TLV-ACGIH	EH40/2005 Workplace exposure limits (Fourth Edition 2020) ACGIH 2021

### Naphtha (petroleum), hydrotreated light

Predicted no-effect concentration - PNEC

Normal value in fresh water	VND
Normal value in marine water	VND
Normal value for fresh water sediment	VND
Normal value for marine water sediment	VND
Normal value for water, intermittent release	VND
Normal value of STP microorganisms	VND
Normal value for the food chain (secondary poisoning)	NPI
Normal value for the terrestrial compartment	NPI
Normal value for the atmosphere	VND

### Health - Derived no-effect level - DNEL / DMEL

Effects on

Effects on

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Route of exposure	consumers				workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND		VND					149 mg/kg bw/d
Inhalation	VND		VND					449 mg/m3
Skin	VND		VND					149 mg/kg bw/d

**OLIO MINERALE HYDROTREAT (DMSO < 3% IP364)**

**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV-ACGIH		5						

**Predicted no-effect concentration - PNEC**

Normal value in fresh water	NEA
Normal value in marine water	NPI
Normal value for fresh water sediment	NEA
Normal value for marine water sediment	NEA
Normal value for water, intermittent release	NEA
Normal value of STP microorganisms	NEA
Normal value for the food chain (secondary poisoning)	NEA
Normal value for the terrestrial compartment	NEA
Normal value for the atmosphere	NEA

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				25 mg/kg bw/d				
Inhalation				164 mg/m3 8h			160	35 mg/m3 8h
Skin					220	93 mg/kg bw/d		217 mg/kg bw/d

**BUTANE**

**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	2400	1000	9600	4000			
MAK	DEU	2400	1000	9600	4000			
VLA	ESP		1000				Gases	
VLEP	FRA	1900	800					
TLV	GRC	2350	1000					
WEL	GBR	1450	600	1810	750			
WEL	GBR		4			RESP		
TLV-ACGIH					1000			

**PROPANE**

**Threshold Limit Value**

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Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	1800	1000	7200	4000			
MAK	DEU	1800	1000	7200	4000			
VLA	ESP		1000					
TLV	GRC	1800	1000					
Predicted no-effect concentration - PNEC								
Normal value in fresh water				NEA				
Normal value in marine water				NEA				
Normal value for fresh water sediment				NEA				
Normal value for marine water sediment				NEA				
Normal value for water, intermittent release				NEA				
Normal value of STP microorganisms				NEA				
Normal value for the food chain (secondary poisoning)				NEA				
Normal value for the terrestrial compartment				NEA				
Normal value for the atmosphere				VND				
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI
Inhalation	VND	VND	VND	VND	VND	VND	VND	VND
Skin	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI

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.

### 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.

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#### 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.

## SECTION 9. Physical and chemical properties

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

Properties	Value	Information
Appearance	aerosol	
Colour	Light brownish	
Odour	mild	
Melting point / freezing point	< -4 °C	
Initial boiling point	Not available	Reason for missing data:Aerosol
Flammability	flammable gas	
Lower explosive limit	0,9 % (v/v)	Temperature: +20 °C
Upper explosive limit	8,9 % (v/v)	Temperature: +20 °C
Flash point	Not available	Reason for missing data:Aerosol
Auto-ignition temperature	> 270 °C	
Decomposition temperature	Not determined	Reason for missing data:Non Definita
pH	Not applicable	Reason for missing data:substance/mixture is non-soluble (in water)
Kinematic viscosity	> 150 cSt a 40°C	
Solubility	soluble in organic solvents	
Partition coefficient: n-octanol/water	Not applicable	Reason for missing data:Aerosol
Vapour pressure	3250 mmHg	
Density and/or relative density	abt. 0,85	
Relative vapour density	< 1 (Air =1)	
Particle characteristics	Not applicable	Reason for missing data:Aerosol

### 9.2. Other information

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

##### Aerosol

% flammable components      Remark:> 50%

#### 9.2.2. Other safety characteristics

Evaporation rate	Not determined
Total solids (250°C / 482°F)	11,29 %
VOC (Directive 2010/75/EU)	39,80 % - 268,65 g/litre
VOC (volatile carbon)	34,36 % - 231,93 g/litre
Explosive properties	not applicable
Oxidising properties	not applicable

## SECTION 10. Stability and reactivity



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**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.

**10.3. Possibility of hazardous reactions**

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

**10.4. Conditions to avoid**

Avoid overheating.

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

Information not available

## SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

**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

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Information not available

Interactive effects

Information not available

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)

Naphtha (petroleum), hydrotreated light

LD50 (Oral):	> 5840 mg/kg Ratto
LD50 (Dermal):	> 2920 mg/kg Ratto
LC50 (Inhalation vapours):	> 23,3 mg/l/4h Ratto

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LD50 (Oral):	> 5000 mg/kg
LD50 (Dermal):	> 2000 mg/m3
LC50 (Inhalation vapours):	> 5000 mg/m3

PROPANE

LC50 (Inhalation gas):	> 1237 ppm/2h
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SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

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Information not available

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

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Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth

**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

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

**12.1. Toxicity**

Naphtha (petroleum), hydrotreated light

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LC50 - for Fish	> 13,4 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	> 3 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 10 mg/l/72h Raphidocelis
Chronic NOEC for Fish	> 1,534 mg/l ( 28 giorni )
Chronic NOEC for Crustacea	> 1 mg/l Daphnia magna (21 giorni)

OLIO MINERALE HYDROTREAT (DMSO < 3% IP364)

LC50 - for Fish	> 100 mg/l/96h pesce
EC50 - for Crustacea	> 100 mg/l/48h Dafnia

PROPANE

LC50 - for Fish	> 147 mg/l/96h
EC50 - for Algae / Aquatic Plants	> 19,37 mg/l/72h

#### 12.2. Persistence and degradability

OLIO MINERALE HYDROTREAT (DMSO < 3% IP364)

Si presume che sia "intrinsecamente biodegradabile"  
(rif. Olio Minerale Bianco).

OLIO MINERALE HYDROTREAT (DMSO < 3% IP364)

NOT rapidly degradable

BUTANE

Solubility in water	0,1 - 100 mg/l
Rapidly degradable	

PROPANE

Solubility in water	0,1 - 100 mg/l
Rapidly degradable	

#### 12.3. Bioaccumulative potential

OLIO MINERALE HYDROTREAT (DMSO < 3% IP364)

Ha potenziale di bioaccumulazione, comunque il metabolismo o le proprietà fisiche possono ridurre la bioconcentrazione o limitare la biodisponibilità (rif. Olio Minerale Bianco).

BUTANE

Partition coefficient: n-octanol/water	1,09
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PROPANE

Partition coefficient: n-octanol/water	1,09
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#### 12.4. Mobility in soil

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Questo materiale ha bassa solubilità e si presume che galleggi e migri dall'acqua al terreno. Si presume che si ripartisca nel sedimento e in solidi sospesi nelle acque reflue. Basso potenziale di migrazione attraverso il suolo. (rif. Olio Minerale Bianco).

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

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

#### 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.

### 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
IMDG:	Class: 2	Label: 2.1



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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 L	Tunnel restriction code: (D)
	Special provision: -		
IMDG:	EMS: F-D, S-U	Limited Quantities: 1 L	
		Maximum quantity: 150 Kg	Packaging instructions: 203
IATA:	Cargo:	Maximum quantity: 75 Kg	Packaging instructions: 203
	Pass.:	A145, A167, A802	
	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

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

#### Product

Point 40

#### Contained substance

Point 75

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

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Not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

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

Information not available

**15.2. Chemical safety assessment**

A chemical safety assessment has not been performed for the contained substances

**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>Flam. Liq. 2</b>	Flammable liquid, category 2
<b>Press. Gas (Liq.)</b>	Liquefied gas
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<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>H225</b>	Highly flammable liquid and vapour.
<b>H280</b>	Contains gas under pressure; may burst if heated.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H315</b>	Causes skin irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>H412</b>	Harmful to aquatic life with long lasting effects.

Use descriptor system:

<b>AC</b>	<b>2</b>	Machinery, mechanical appliances, electrical/electronic articles
<b>PC</b>	<b>14</b>	Metal surface treatment products
<b>PC</b>	<b>9a</b>	Coatings and paints, thinners, paint removers

**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**

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
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
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament

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- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
- 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.

**Changes to previous review:**

The following sections were modified:

01 / 02 / 03 / 08 / 09 / 11 / 12.