

Safety data sheet
according to UK REACH

Printing date 11.03.2026

Version number 4 (replaces version 3)

Revision: 11.03.2026

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

- **1.1 Product identifier**
- **Trade name:** LUBRIMAX
- **UFI:** VAW0-Y0DD-700Y-XD82
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
 - C Consumer use
 - PW Widespread use by professional workers
- **Sector of Use**
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC24 Lubricants, greases, release products
- **Recommended use** Grease
- **Uses advised against**

The mixture is not recommended for industrial, professional and consumer applications not specified as relevant identified uses
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

MA-FRA S.p.A. a Socio Unico
Via Aquileia, 44/46
20021 Baranzate (MI) ITALIA
Tel. +39 023569981
www.mafra.com
mafra@mafra.it
- **Informing department:**

E-mail: lab@mafra.it
info@mafra.it
- **1.4 Emergency telephone number:** In case of accident call the emergency number 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS02

- **Signal word** Danger

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- Hazard statements*H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.***- Precautionary statements***P102 Keep out of reach of children.**P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P211 Do not spray on an open flame or other ignition source.**P251 Do not pierce or burn, even after use.**P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.**P501 Dispose of contents/container in accordance with local/regional/national/international regulation***- 2.3 Other hazards****- Results of PBT and vPvB assessment****- PBT:** Not applicable**- vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures**- Description:** Mixture of substances**- Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7	butane, pure Flam. Gas 1A, H220; Press. Gas (Comp.), H280 Note: C	30-50%
CAS: 94733-15-0 EC number: 305-594-8 Reg.nr.: 01-2119486987-11	Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based Asp. Tox. 1, H304 Note: L	20-30%
CAS: 109-87-5 EINECS: 203-714-2 Reg.nr.: 01-2119664781-31	dimethoxymethane Flam. Liq. 2, H225	20-30%

- Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.2 Most important symptoms and effects, both acute and delayed*Sickness**No further relevant information available.***- General information** No special measures required.**- After inhalation** Supply fresh air; consult doctor in case of symptoms.**- After skin contact** The product is not skin irritating.**- After eye contact** Rinse opened eye for several minutes under running water.**- After swallowing** In case of persistent symptoms consult doctor.**- 4.3 Indication of any immediate medical attention and special treatment needed***If swallowed, gastric irrigation**Medical supervision for at least 48 hours*

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**- Suitable extinguishing agents***CO₂, sand, extinguishing powder. Do not use water.**Use fire fighting measures that suit the environment.***- For safety reasons unsuitable extinguishing agents***Water.**Water with a full water jet.*

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- 5.2 Special hazards arising from the substance or mixture*Formation of toxic gases is possible during heating or in case of fire.**Carbon monoxide (CO)**Can be released in case of fire**Carbon oxides (CO_x)***- 5.3 Advice for firefighters****- Protective equipment:***Do not inhale explosion gases or combustion gases.**Protection means for respiratory tract***- Additional information***Cool endangered containers with water spray jet.**Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.***SECTION 6: Accidental release measures****- 6.1 Personal precautions, protective equipment and emergency procedures***Keep people at a distance and stay on the windward side.**Keep away from ignition sources**Protective gloves. (EN 374)***- For non-emergency personnel***Ensure adequate ventilation**Keep away from ignition sources**Wear protective clothing.***- For emergency responders***Rubber gloves**PVC gloves**Recommended thickness of the material: ≥ 0.1 mm**Nitrile rubber, NBR***- 6.2 Environmental precautions:** *Do not allow to enter drainage system, surface or ground water.***- 6.3 Methods and material for containment and cleaning up:***Ensure adequate ventilation.**Do not flush with water or aqueous cleansing agents**Absorb liquid components with liquid-binding material.**Dispose of the material collected according to regulations.***- 6.4 Reference to other sections***See Section 7 for information on safe handling**See Section 8 for information on personal protection equipment.**See Section 13 for information on disposal.***SECTION 7: Handling and storage****- 7.1 Precautions for safe handling***Use only in well ventilated areas.**Open and handle container with care.**Take off immediately all contaminated clothing**Wash hands during breaks and at the end of the work.**Do not eat, drink or smoke while working.***- Information about protection against explosions and fires:***Do not spray on flames or red-hot objects.**Keep ignition sources away - Do not smoke.**Protect from heat.**Protect against electrostatic charges.**Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.*

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
 - Store in cool location.
 - Store only in the original container.
 - Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:**
 - Keep container tightly sealed.
 - Do not seal container gastight.
 - Store in cool, dry conditions in well sealed containers.
 - Protect from heat and direct sunlight.
 - Store under dry conditions.
 - Store in a cool place.
 - Store away from oxidising products.
- **Class according to regulation on inflammable liquids:** Void
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Components with limit values that require monitoring at the workplace:

106-97-8 butane, pure

WEL	Short-term value: 1810 mg/m ³ , 750 ppm
	Long-term value: 1450 mg/m ³ , 600 ppm
	Carc (if more than 0.1% of buta-1,3-diene)

109-87-5 dimethoxymethane

WEL	Short-term value: 3950 mg/m ³ , 1250 ppm
	Long-term value: 3160 mg/m ³ , 1000 ppm

- DNELs

94733-15-0 Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based

Oral	Systemic Long-term Effects	0.74 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	1 mg/Kg bw/day (Industrial Workers)
Inhalative	Local long-term effects	5.6 mg/m ³ (Industrial Workers)
	Systemic long-term effects	2.7 mg/m ³ (Industrial Workers)

109-87-5 dimethoxymethane

Oral	Systemic Long-term Effects	18.1 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	17.9 mg/Kg bw/day (Industrial Workers)
		18.1 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	126.6 mg/m ³ (Industrial Workers)
		31.5 mg/m ³ (Consumers)

- PNECs

109-87-5 dimethoxymethane

PNEC STP	10,000 mg/L (STP)
Soil	4.6538 mg/Kg (Soil)
Soft Water	14.577 mg/L (Water)
Sea water	1.477 mg/L (Water)
Sediment (soft water)	13.135 mg/Kg (Soil)
Sediment (sea water)	1.3135 mg/Kg (Soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.

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- 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
Do not eat, drink or smoke while working.
Do not eat or drink while working.
Wash hands during breaks and at the end of the work.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:** Use breathing protection in case of insufficient ventilation.
- **Hand protection**



Protective gloves. (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Preventive skin protection by use of skin-protecting agents is recommended.

- Material of gloves

Rubber gloves
PVC gloves
Recommended thickness of the material: ≥ 0.1 mm
Nitrile rubber, NBR

- Penetration time of glove material

For the mixture of chemicals mentioned below the penetration time has to be at least 15 minutes (Permeation according to EN 16523-1:2015: Level 1).

- Eye/face protection



Tightly sealed safety glasses.

- Environmental exposure controls

Disposal must be made according to official regulations.
Dispose of packaging according to regulations on the disposal of packagings.
Contaminated packaging must be disposed of or recycled at an authorised facility in accordance with local or national legislation.

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SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Physical state	Aerosol
- Colour:	Colourless
- Odour:	Characteristic
- Odour threshold:	Not determined
- Melting point/freezing point:	Not determined
- Boiling point or initial boiling point and boiling range	42.3 °C
- Flammability	Not applicable
- Lower and upper explosion limit	
- Lower:	1.5 Vol %
- Upper:	8.5 Vol %
- Flash point:	-10 °C
- Auto-ignition temperature:	235 °C
- Decomposition temperature:	Not determined
- pH	Mixture is non-soluble (in water).

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- Viscosity:	
- Kinematic viscosity at 40 °C	39 mm ² /s
- dynamic:	Not determined
- Solubility	
- Water:	Not miscible or difficult to mix
- Partition coefficient n-octanol/water (log value)	Not determined
- Vapour pressure at 20 °C:	2,100 hPa
- Density and/or relative density	
- Density at 20 °C	0.86 g/cm ³
- Relative density	Not determined
- Vapour density	Not determined

- 9.2 Other information

- Appearance:	
- Form:	Aerosol
- Important information on protection of health and environment, and on safety.	
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Not determined
- Change in condition	
- Evaporation rate	Not applicable.

- Information with regard to physical hazard classes

- Explosives	Void
- Flammable gases	Void
- Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

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SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable under normal conditions
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
 - Explosive
 - Develops readily flammable gases / fumes
 - Flammable
- **10.4 Conditions to avoid** Direct sunlight, heat, high temperatures, incompatible materials, open flames and sparks.
- **10.5 Incompatible materials:**
 - Oxidising materials.
 - Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised

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- 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute toxicity Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:

94733-15-0 Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based

Oral LD50 >5,000 mg/Kg (Rat)

Dermal LD50 >5,000 mg/Kg (Rabbit)

109-87-5 dimethoxymethane

Oral LD50 >2,000 mg/Kg (Rat)

Dermal LD50 3,930 mg/Kg (Rabbit)

- Primary irritant effect:

- Skin corrosion/irritation Based on available data, the classification criteria are not met.

- Serious eye damage/irritation Based on available data, the classification criteria are not met.

- Respiratory or skin sensitisation

No sensitizing effect known.

Based on available data, the classification criteria are not met.

- Germ cell mutagenicity Based on available data, the classification criteria are not met.

- Carcinogenicity Based on available data, the classification criteria are not met.

- Reproductive toxicity Based on available data, the classification criteria are not met.

- STOT-single exposure Based on available data, the classification criteria are not met.

- STOT-repeated exposure Based on available data, the classification criteria are not met.

- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

109-87-5 dimethoxymethane

LC50 (96h) >10,000 mg/L (Fish)

EC50 (48h) 27 mg/L (Daphnia)

EC50 (96h) 1,043 mg/L (Algae)

EC50 (72h) 12 mg/L (Algae)

- 12.2 Persistence and degradability No further relevant information available.

- 12.3 Bioaccumulative potential No further relevant information available.

- 12.4 Mobility in soil No further relevant information available.

- 12.5 Results of PBT and vPvB assessment

- PBT: Not applicable

- vPvB: Not applicable

- 12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects

- Additional ecological information:

- General notes:

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into soil.

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SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

- Recommendation

Must be specially treated under adherence to official regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:

- Recommendation:

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

Contaminated packaging must be disposed of or recycled at an authorised facility in accordance with local or national legislation.

SECTION 14: Transport information

- 14.1 UN number or ID number

- ADR, IMDG, IATA UN1950

- 14.2 UN proper shipping name

- ADR, IMDG AEROSOLS

- IATA AEROSOLS, flammable

- 14.3 Transport hazard class(es)

- ADR



- Class 2 5F Gases.

- Label 2.1

- IMDG, IATA



- Class 2.1 Gases.

- Label 2.1

- 14.4 Packing group

- ADR, IMDG, IATA Void

- 14.5 Environmental hazards:

- Marine pollutant: No

- 14.6 Special precautions for user

- Warning: Gases.

- Kemler Number:

-

- EMS Number:

F-D,S-U

- Stowage Code

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category

A. For AEROSOLS with a capacity above 1 litre: Category B. For

WASTE AEROSOLS: Category C, Clear of living quarters.

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- Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
- 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
- Transport category	2
- Tunnel restriction code	D
- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

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SECTION 15: Regulatory information

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

1. Regulation (EC) 1907/2006 (UK REACH)
2. Regulation (EC) 1272/2008 (GB CLP)
3. Regulation (EU) 2020/878 (UK REACH Annex II)
4. Regulation (EC) 790/2009 (I ATP GB CLP)
5. Regulation (EU) 286/2011 (ATP GB CLP II)
6. Regulation (EU) 618/2012 (III ATP GB CLP)
7. Regulation (EU) 487/2013 (IV ATP GB CLP)
8. Regulation (EU) 944/2013 (V ATP GB CLP)
9. Regulation (EU) 605/2014 (VI ATP GB CLP)
10. Regulation (EU) 2015/1221 (VII ATP GB CLP)
11. Regulation (EU) 2016/918 (VIII ATP GB CLP)
12. Regulation (EU) 2016/1179 (IX ATP GB CLP)
13. Regulation (EU) 2017/776 (X ATP GB CLP)
14. Regulation (EU) 2018/669 (XI ATP GB CLP)
15. Regulation (EU) 2019/521 (XII ATP GB CLP)
16. Regulation (EU) 2018/1480 (XIII ATP GB CLP)
17. Regulation (EU) 2020/217 (XIV ATP GB CLP)
18. Regulation (EU) 2020/1182 (XV ATP GB CLP)
19. Regulation (EU) 2021/643 (XVI ATP GB CLP)
20. Regulation (EU) 2021/849 (XVII ATP GB CLP)
21. Regulation (EU) 2022/692 (XVIII ATP GB CLP)
22. Regulation (EU) 2023/1434 (XIX ATP GB CLP)
23. Regulation (EU) 2023/1435 (XX ATP GB CLP)
24. Regulation (EU) 2024/197 (XXI ATP GB CLP)

- Poisons Act

- Regulated explosives precursors

None of the ingredients is listed.

- Regulated poisons

None of the ingredients is listed.

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- Reportable explosives precursors

None of the ingredients is listed.

- Reportable poisons

None of the ingredients is listed.

- Directive 2012/18/EU**- Named dangerous substances - ANNEX I** None of the ingredients is listed.**- Seveso category P3a** FLAMMABLE AEROSOLS**- Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t**- Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**- National regulations****- Classification according to VbF:** Void**- Technical instructions (air):**

Class	Share in %
NK	31.4

- Water hazard class: Water danger class 3 (Self-assessment): extremely hazardous for water.**- 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure, may explode if heated.

H304 May be fatal if swallowed and enters airways.

- Department issuing data specification sheet: Ma-Fra Laboratories**- Contact:** lab@mafra.it**- Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling 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)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

- * Data compared to the previous version altered.