



Safety Data Sheet dated 26/11/2025, version 20

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

1.1. Product identifier

Mixture identification:

Trade name: GOMMA LUCIDA

Trade code: 8371

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

Recommended use:

Product to renew tyres and rubber parts

Uses advised against:

Strictly adhere to the recommended uses.

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.

via Antica di Cassano, 23, 20063

Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: emergency number 112

In South Africa: Poison Information Helpline 0861 555 777

In Malta: emergency number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H222, H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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

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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.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

Regulation (EC) nr 648/2004 (detergents).

Product contents:

Aliphatic hydrocarbons

5 - 15 %

Non-ionic surfactants

< 5 %

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 12,5% - < 15%	Hydrocarbons, C3-4; Petroleum gas	Index number: 649-199-00-1 CAS: 68476-40-4 EC: 270-681-9 REACH No.: 01-2119486557-22	<ul style="list-style-type: none"> ⚠ 2.2/1A Flam. Gas 1A H220 ⚠ 2.5/L Press Gas (Liq.) H280 DECLK (CLP)*
>= 0,1% - < 0,25%	sodium nitrite	Index number: 007-010-00-4 CAS: 7632-00-0 EC: 231-555-9 REACH No.: 01-2119471836-27	<ul style="list-style-type: none"> ⚠ 2.14/3 Ox. Sol. 3 H272 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.1/3/Oral Acute Tox. 3 H301 ⚠ 4.1/A1 Aquatic Acute 1 H400
>= 0,02% - < 0,05%	Ottametilciclotretasilossano	CAS: 556-67-2 EC: 209-136-7	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.7/2 Repr. 2 H361f ⚠ 4.1/C1 Aquatic Chronic 1 H410 M=10.
>= 0,01% - < 0,02%	2-aminoethanol; ethanolamine	Index number: 603-030-00-8 CAS: 141-43-5 EC: 205-483-3 REACH No.: 01-2119486455-28	<ul style="list-style-type: none"> ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.2/1B Skin Corr. 1B H314 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.8/3 STOT SE 3 H335 4.1/C3 Aquatic Chronic 3 H412 Specific Concentration Limits:

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			C >= 5%: STOT SE 3 H335
>= 0,001% - < 0, 005%	sodium hydroxide; caustic soda	Index number: CAS: EC: REACH No.:	011-002-00-6 1310-73-2 215-185-5 02- 2119457892 -27
			⚠ 2.16/1 Met. Corr. 1 H290 ⚠ 3.2/1A Skin Corr. 1A H314 ⚠ 3.3/1 Eye Dam. 1 H318 Specific Concentration Limits: C >= 5%: Skin Corr. 1A H314 2% <= C < 5%: Skin Corr. 1B H314 0,5% <= C < 2%: Skin Irrit. 2 H315 0,5% <= C < 2%: Eye Irrit. 2 H319

*DECLK (CLP): Substance classified in accordance with Note K, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (Einecs No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 should apply. This note applies only to certain complex oil-derived substances in Part 3.

SVHC, PBT, vPvB, endocrine disruptor substances:
 >= 0,02% - < 0,05% Ottametilciclotretasilossano
 CAS: 556-67-2, EC: 209-136-7
 PBT, vPvB, SVHC

SECTION 4: First aid measures

- 4.1. Description of first aid measures
 - In case of skin contact:
 - Wash with plenty of water and soap.
 - In case of eyes contact:
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - In case of Ingestion:
 - Do NOT induce vomiting.
 - In case of Inhalation:
 - Remove casualty to fresh air and keep warm and at rest.
- 4.2. Most important symptoms and effects, both acute and delayed
 - None
- 4.3. Indication of any immediate medical attention and special treatment needed
 - Treatment:
 - Symptomatic treatment. In case of exposure or discomfort, consult a doctor.

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Appropriate Extinguishing Media:
 - To carbon dioxide.
 - To dust.
 - Foam
 - Water spray.
 - Not Recommended Extinguishing Media:
 - Do not use direct water jets.
- 5.2. Special hazards arising from the substance or mixture
 - Do not inhale explosion and combustion gases.
 - Burning produces heavy smoke.
- 5.3. Advice for firefighters
 - Normal fire-fighting clothing, such as an open-circuit compressed air breathing apparatus (EN 137), flame-resistant suit (EN469), flame-resistant gloves (EN 659) and firefighter's boots (HO A29 or A30).
 - Keep containers cool with water spray.



Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - For non emergency personnel:
 - See protective measures under point 7 and 8.
 - Provide adequate ventilation.
 - For emergency responders:
 - See protective measures under point 7 and 8.
 - Fist-gloves.
 - Remove all sources of ignition.
 - Remove persons to safety.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
 - For cleaning up:
 - Avoid flame and/or spark near leak and produced waste. Do not smoke. In case of large spills dike,
 - absorb and shovel up into suitable containers for disposal. Contain small spills with absorbent material.
 - Put dirty material in suitable container. Dispose of dirty material in accordance with local or national regulations.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - See also section 8 for recommended protective equipment.
 - Advice on general occupational hygiene:
 - Do not eat, drink or smoke when using this product.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Only store in the original container.
 - Store at below 50 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - None in particular.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
- 7.3. Specific end use(s)
 - None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4

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MAK - TWA: 2400 mg/m³, 1000 ppm
TLV TWA - 1900 mg/m³, 800 ppm
2-aminoethanol; ethanolamine - CAS: 141-43-5
20101.11 - TWA: 7.6 mg/m³, 3 ppm
EU - TWA(8h): 2.5 mg/m³, 1 ppm - STEL: 7.6 mg/m³, 3 ppm - Notes: Skin
ACGIH - TWA(8h): 3 ppm - STEL: 6 ppm - Notes: Eye and skin irr
sodium hydroxide; caustic soda - CAS: 1310-73-2
20101.10 - TWA: 2 mg/m³
ACGIH - STEL: Ceiling 2 mg/m³ - Notes: URT, eye, and skin irr
NIOSH - Notes: Metodo raccomandato per il monitoraggio: NIOSH 7401

DNEL Exposure Limit Values

Ottametilclotretasilossano - CAS: 556-67-2
Worker Professional: 73 mg/m³ - Consumer: 13 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects
Worker Professional: 73 mg/m³ - Consumer: 13 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, local effects
Consumer: 3.7 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
2-aminoethanol; ethanolamine - CAS: 141-43-5
Consumer: 3.75 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects
Worker Professional: 0.51 mg/m³ - Consumer: 0.18 mg/m³ - Exposure: Human
Inhalation - Frequency: Long Term, local effects
Worker Professional: 3 mg/kg - Consumer: 1.5 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
sodium hydroxide; caustic soda - CAS: 1310-73-2
Worker Professional: 1 mg/m³ - Consumer: 1 mg/l - Exposure: Human Inhalation -
Frequency: Long Term, local effects

PNEC Exposure Limit Values

sodium nitrite - CAS: 7632-00-0
Target: Fresh Water - Value: 0.0054 mg/l
Target: Marine water - Value: 0.00616 mg/l
Target: Marine water sediments - Value: 0.0223 mg/kg
Target: Freshwater sediments - Value: 0.0195 mg/kg
Target: 09 - Value: 21 mg/l
Ottametilclotretasilossano - CAS: 556-67-2
Target: Fresh Water - Value: 1.5 03
Target: Marine water - Value: 0.15 03
Target: Freshwater sediments - Value: 3 mg/kg
Target: Marine water sediments - Value: 0.3 mg/kg
Target: 09 - Value: 10 mg/l
2-aminoethanol; ethanolamine - CAS: 141-43-5
Target: Fresh Water - Value: 0.07 mg/l
Target: Marine water - Value: 0.007 mg/l
Target: Freshwater sediments - Value: 0.357 mg/kg
Target: Marine water sediments - Value: 0.0357 mg/kg
Target: 09 - Value: 100 mg/l

8.2. Exposure controls

Eye protection:

Safety goggles.
Compliant with EN 166

Protection for skin:

Chemical protection clothing.
Safety shoes.

Protection for hands:

Nitrile or Viton gloves.
Compliant with EN 374.
Thickness: Cuff 0.10 mm; Palm 0.12 mm; Fingers 0.145 mm
Gloves must be selected according to the specific type of use and the permeation time of the

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material. The permeation time depends on the type of glove, its thickness and the type of chemical. Consult the gloves' supplier to determine the appropriate permeation time. Replace the gloves immediately if signs of wear or contamination are observed.

Respiratory protection:
Filter for organic vapours. Type A. (EN14387)
Thermal Hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	White	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	-104°C	IP 170	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	10	ASTM D1287	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.908 g/ml	ASTM D 4052-96	--
Relative vapour density:	N.A.	--	--

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Particle characteristics:

Particle size:	N.A.	--	--
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- 9.2. Other information
No other relevant information

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable at normal ambient temperatures and when used as recommended.
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
Avoid contact with oxidizing materials. The product could catch fire.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

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Toxicological information of the main substances found in the product:

sodium nitrite - CAS: 7632-00-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 180 mg/kg

Ottametilciclotretasilossano - CAS: 556-67-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4800 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2375 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 36 mg/l - Duration: 4h

2-aminoethanol; ethanolamine - CAS: 141-43-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1089 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 2504 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 1.3 mg/l - Duration: 4h

b) skin corrosion/irritation:

Test: Eye Corrosive Positive - Notes: due to physical-chemical data (pH = 13)

Test: Skin Corrosive Positive - Notes: due to physical-chemical data (pH = 13)

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration \geq 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Hydrocarbons, C3-4; Petroleum gas - CAS: 68476-40-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia = 14.22 mg/l - Duration h: 48

sodium nitrite - CAS: 7632-00-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.54-26.3 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia 4.93 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 15.4 mg/l - Duration h: 48 - Notes: OECD 202

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: OECD 201

Endpoint: EC50 - Species: fanghi 421 mg/l - Duration h: 48

Endpoint: CE5 - Species: fanghi 210 mg/l - Duration h: 3 - Notes: OECD 209

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish 6.16 mg/l - Duration h: 240

Endpoint: NOEC - Species: Daphnia 9.86 mg/l - Duration h: 744

Ottametilciclotretasilossano - CAS: 556-67-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 0.022 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 0.015 mg/l - Duration h: 48

Endpoint: CE5 - Species: Algae > 0.022 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae > 0.022 mg/l - Duration h: 63

Endpoint: EC50 - Species: fanghi > 10000 mg/l - Duration h: 3

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 0.0044 mg/l - Duration h: 2232

Endpoint: NOEC - Species: Daphnia > 0.0015 mg/l - Duration h: 504

2-aminoethanol; ethanolamine - CAS: 141-43-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 349 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 27.04 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 2.8 mg/l - Duration h: 2.8

sodium hydroxide; caustic soda - CAS: 1310-73-2

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 40.4 mg/l - Duration h: 48

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- 12.2. Persistence and degradability
None
2-aminoethanol; ethanolamine - CAS: 141-43-5
Biodegradability: Readily biodegradable - Test: BIOGDG14 - Duration: 21GG - %: 91
- 12.3. Bioaccumulative potential
sodium nitrite - CAS: 7632-00-0
Bioaccumulation: Not bioaccumulative
Ottametilciclotretasilossano - CAS: 556-67-2
Test: log Pow 6.98
sodium hydroxide; caustic soda - CAS: 1310-73-2
Bioaccumulation: Not bioaccumulative
- 12.4. Mobility in soil
sodium hydroxide; caustic soda - CAS: 1310-73-2
Mobility in soil: Not mobile
- 12.5. Results of PBT and vPvB assessment
PBT Substances:
>= 0,02% - < 0,05% Ottametilciclotretasilossano - CAS: 556-67-2
vPvB Substances:
>= 0,02% - < 0,05% Ottametilciclotretasilossano - CAS: 556-67-2
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%
- 12.7. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
- Additional disposal information:
The leftover product is to be considered special waste to be classified in accordance with Directive No. 2008/98/EC on waste and related matters. Recover if possible. Send to authorised disposal facilities or incineration under controlled conditions. Packaging can be taken to separate collection if emptied of its contents, checking the regulations of your municipality. Otherwise, it is always necessary to take it to an authorised centre or recycling point in your municipality.

SECTION 14: Transport information



- 14.1. UN number or ID number
ADR-UN Number: 1950
IATA-UN Number: 1950
IMDG-UN Number: 1950
- 14.2. UN proper shipping name
ADR-Shipping Name: AEROSOLS, flammable
IATA-Shipping Name: AEROSOLS, flammable
IMDG-Shipping Name: AEROSOLS, flammable
- 14.3. Transport hazard class(es)
ADR-Class: 2
ADR - Hazard identification number: -
IATA-Class: 2
IATA-Label: 2.1
IMDG-Class: 2

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Sea (IMO):	2 UN 1950
14.4. Packing group	
ADR-Packing Group:	-
IATA-Packing group:	-
IMDG-Packing group:	-
14.5. Environmental hazards	
ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
IMDG-EmS:	F-D, S-U
14.6. Special precautions for user	
ADR-Subsidiary hazards:	See SP63
ADR-S.P.:	190 327 344 625
ADR-Transport category (Tunnel restriction code):	2 (D)
IATA-Passenger Aircraft:	203
IATA-Subsidiary hazards:	See SP63
IATA-Cargo Aircraft:	203
IATA-S.P.:	A145 A167 A802
IATA-ERG:	10L
IMDG-Subsidiary hazards:	See SP63
IMDG-Stowage and handling:	SW1 SW22
IMDG-Segregation:	SG69
14.7. Maritime transport in bulk according to IMO instruments	
N.A.	
Limited Quantity:	1 L
Exempted Quantity:	E0

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
 - Dir. 2000/39/EC (Occupational exposure limit values)
 - Regulation (EC) n. 1907/2006 (REACH)
 - Regulation (EC) n. 1272/2008 (CLP)
 - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 - Regulation (EU) n. 2020/878
 - Regulation (EU) n. 286/2011 (ATP 2 CLP)
 - Regulation (EU) n. 618/2012 (ATP 3 CLP)
 - Regulation (EU) n. 487/2013 (ATP 4 CLP)
 - Regulation (EU) n. 944/2013 (ATP 5 CLP)
 - Regulation (EU) n. 605/2014 (ATP 6 CLP)
 - Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 - Regulation (EU) n. 2016/918 (ATP 8 CLP)
 - Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 - Regulation (EU) n. 2017/776 (ATP 10 CLP)
 - Regulation (EU) n. 2018/669 (ATP 11 CLP)
 - Regulation (EU) n. 2018/1480 (ATP 13 CLP)
 - Regulation (EU) n. 2019/521 (ATP 12 CLP)
 - Regulation (EU) n. 2020/217 (ATP 14 CLP)
 - Regulation (EU) n. 2020/1182 (ATP 15 CLP)
 - Regulation (EU) n. 2021/643 (ATP 16 CLP)
 - Regulation (EU) n. 2021/849 (ATP 17 CLP)
 - Regulation (EU) n. 2022/692 (ATP 18 CLP)
 - Regulation (EU) n. 2023/707
 - Regulation (EU) n. 2023/1434 (ATP 19 CLP)
 - Regulation (EU) n. 2023/1435 (ATP 20 CLP)
 - Regulation (EU) n. 2024/197 (ATP 21 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation

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(EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

- Restriction 3
- Restriction 40

Restrictions related to the substances contained:

- Restriction 70
- Restriction 75

Volatile Organic compounds - VOCs = 14.76 %

Volatile Organic compounds - VOCs = 147.56 g/Kg

Volatile Organic compounds - VOCs = 133.98 g/l

Where applicable, refer to the following regulatory provisions :

- Directive 2012/18/EU (Seveso III)
- Regulation (EC) nr 648/2004 (detergents).
- Dir. 2004/42/EC (VOC directive)

SVHC Substances:

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

- Ottametilciclotretasilossano
- PBT, vPvB

Provisions related to directive EU 2012/18 (Seveso III):

- Seveso III category according to Annex 1, part 1
- Product belongs to category: P3a

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

- Hydrocarbons, C3-4; Petroleum gas
- sodium nitrite
- 2-aminoethanol; ethanolamine

SECTION 16: Other information

Text of phrases referred to under heading 3:

- H220 Extremely flammable gas.
- H280 Contains gas under pressure; may explode if heated.
- H272 May intensify fire; oxidiser.
- H319 Causes serious eye irritation.
- H301 Toxic if swallowed.
- H400 Very toxic to aquatic life.
- H226 Flammable liquid and vapour.
- H361f Suspected of damaging the unborn child.
- H410 Very toxic to aquatic life with long lasting effects.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H412 Harmful to aquatic life with long lasting effects.
- H290 May be corrosive to metals.
- H315 Causes skin irritation.

Hazard class and hazard category	Code	Description
Ox. Sol. 3	2.14/3	Oxidising solid, Category 3
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals,

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		Category 1
Flam. Gas 1A	2.2/1A	Flammable gas, Category 1A
Aerosols 1	2.3/1	Aerosol, Category 1
Press Gas (Liq.)	2.5/L	Gases under pressure (Liquefied gas)
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222, H229	On basis of test data

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

Safety Data Sheet

GOMMA LUCIDA



The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

Continued on next page - This SDS has been integrated with one or more Exposure scenarios. The exposure scenarios that follow must be considered as part of the SDS.

Exposure Scenario, 17/07/2019

Substance identity	
Chemical name	IDROCARBURI C3-C4, Miscela (propano, butano, isobutano < 0,1% 1,3-Butadiene)
CAS No.	68476-40-4
EINECS No.	270-681-9

Table of contents

1. **ES 1** Use at industrial site

1. ES 1 Use at industrial site

1.1 TITLE SECTION

Exposure Scenario name	Use as a propellant
Date - Version	17/07/2019 - 1.0
Life Cycle Stage	Use at industrial site
Main user group	Industrial uses
Sector(s) of use	Industrial uses (SU3)

Environment Contributing Scenario

CS1 Covered by	ERC4
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Worker Contributing Scenario

CS2 Propellant	PROC1 - PROC2 - PROC3 - PROC8b - PROC9 - PROC12
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1.2 Conditions of use affecting exposure

1.2. CS1: Environment Contributing Scenario: Covered by (ERC4)

Environmental release categories	Use of non-reactive processing aid at industrial site (no inclusion into or onto article) (ERC4)
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1.2. CS2: Worker Contributing Scenario: Propellant (PROC1, PROC2, PROC3, PROC8b, PROC9, PROC12)

Process Categories	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions - Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition - Transfer of substance or mixture (charging and discharging) at dedicated facilities - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) - Use of blowing agents in manufacture of foam (PROC1, PROC2, PROC3, PROC8b, PROC9, PROC12)
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Product (article) characteristics

Physical form of product:

Liquid

Vapour pressure:

> 10 kPa

Concentration of substance in product:

Covers percentage substance in the product up to 100 %.

Amount used, frequency and duration of use/exposure

Duration:

Covers daily exposures up to 8 hours

Technical and organisational conditions and measures

Technical and organisational measures

- Keep drains in watertight containers while awaiting dismantling or subsequent recycling
- Use in contained systems
- Ensure operatives are trained to minimise exposures.
- Ensure that direct skin contact is avoided.
- Clear transfer lines prior to de-coupling.
- Provide a good standard of controlled ventilation (10 to 15 air changes per hour).
- Drain down and flush system prior to equipment break-in or maintenance.

Conditions and measures related to personal protection, hygiene and health evaluation

Personal protection

Wear suitable respiratory protection.

Other conditions affecting worker exposure

Temperature: Assumes use at not more than 20 °C above ambient temperature.

1.3 Exposure estimation and reference to its source

N/A

1.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES**Guidance to check compliance with the exposure scenario:**

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.