

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

1.1. Product identifier

Product form	: Substance
Name	: PROPANE
EC Index-No.	: 601-003-00-5
EC-No.	: 200-827-9
CAS-No.	: 74-98-6
REACH registration No.	: 01-2119486944-21
Product code	: 101306800
Synonyms	: NOVASPRAY propane / NOVEXPANS propane

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

1.2.1. Relevant identified uses

Title	Use descriptors
Use as a propellant in aerosol products	SU3, SU10, SU21, SU22, PC0, PC3, PC8, PC9a, PC9b, PC24, PC29, PC34, PC35, PC39, PROC2, PROC5, PROC7, PROC9, PROC11, ERC2, ERC8a
Use gas in mixtures as foaming agents in personal care products	SU21, PC39, PROC12
Foam blowing agent	SU12, PC32, PROC12, ERC3
Formulation of mixtures with gas in pressure receptacles	SU10, PROC1, PROC3, ERC2

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Dehon Service SAS
 26 Avenue du Petit Parc
 94683 VINCENNES Cedex
 France
 T 01 43 98 75 00, F 01 43 98 21 51
ContactFDS@climalife.dehon.com

Other

Climalife Kft Budepesta sucursală Bucuresti Romania
 Bulevardul Hristo Botev, Nr. 28,
 Biroul NR 4, Modulul I
 Bucuresti Sectorul 3
 Romania
ContactFDS@climalife.dehon.com

Other

Dehon Kälte-Fachvertriebs GmbH
 Robert-Bosch-Strasse 14
 40668 MEERBUSCH
 Germany
 T 00 49 2150 7073 0, F 00 49 2150 7073 17
ContactFDS@climalife.dehon.com

Other

Dehon Service Belgium s.a/n.v.
 Avenue Carton de Wiart, 79
 1090 Bruxelles
 Belgium

Other

Climalife Hongrie Kft
 Villányi út 47
 1118 Budaörs
 Hungary
 T (36) 23 431 660, F (36) 23 431 661
ContactFDS@climalife.dehon.com

Other

Climalife Supplied by Inventec Performance Chemicals Italia SRL
 Via del Lavoro, 10/G
 20874 Busnago MB
 Italia
 T +39 39-5973480, F +39 39-5973490
ContactFDS@climalife.dehon.com

Other

Dehon nordic service
 Östra Hamngatan 50B 3tr
 41109 GÖTEBORG
 Sweden
 T 00 46 735 01 90 50
ContactFDS@climalife.dehon.com

Other

Dehon Service Nederland B.V.
 Van Konijnenburgweg 84
 NL-4612 PL Bergen Op Zoom
 Netherlands

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T 00 32 2 421 01 70, F 00 32 2 426 96 62

ContactFDS@climalife.dehon.com

Other

Friogas sa

Poligono Industrial SEPES

Parcela 10

46500 SAGUNTO (Valencia)

Spain

T 00 34 9 6 266 36 32, F 00 34 9 6 266 50 25

ContactFDS@climalife.dehon.com

Other

Prochimac SA

ZI Petits Champs 15

CH-1400 Yverdon-les-Bains

Switzerland

T 00 41 32 727 36 00, F 00 41 32 727 36 19

ContactFDS@climalife.dehon.com

T 00 31 164 212 830, F 00 31 164 212 831

ContactFDS@climalife.dehon.com

Other

IDS Refrigeration Limited

22 Apex Court, Woodlands, Bradley Stoke

BS32 4JT Bristol

United Kingdom

T 00 44 1179 802520, F 00 44 1179 802521

ContactFDS@climalife.dehon.com

Other

Galco s.a/n.v.

Avenue Carton de Wiart, 79

1090 BRUSSELS

Belgium

T 00 32 2 421 01 84 , F 00 32 2 421 01 84 / 00 32 2 425 38 12

ContactFDS@climalife.dehon.com

1.4. Emergency telephone number

Emergency number : +33 (0) 1 72 11 00 03

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Gas 1A H220

Press. Gas (Liq.) H280

Full text of hazard classes, H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. Contact with the liquid may cause frostbite and serious damage to eyes.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H220 - Extremely flammable gas.

H280 - Contains gas under pressure; may explode if heated.

Precautionary statements (CLP) :

P210 - Keep away from heat, open flames, hot surfaces, sparks. – No smoking.

P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

P381 - In case of leakage, eliminate all ignition sources.

P403 - Store in a well-ventilated place.

2.3. Other hazards

Other hazards which do not result in classification : Dust may form explosive mixture in air. Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level. Contact with the liquid the may cause cold burns/frostbite. May cause suffocation by reducing oxygen available for breathing.

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Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Propane (74-98-6), Isobutane (75-28-5), n-Butane (106-97-8)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Propane (74-98-6), Isobutane (75-28-5), n-Butane (106-97-8)

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	: PROPANE
CAS-No.	: 74-98-6
EC-No.	: 200-827-9
EC Index-No.	: 601-003-00-5

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propane	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944-21	≥ 95	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Isobutane (Impurity)	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395-27	< 0.5	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
n-Butane (Impurity)	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691-32	< 0.5	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
1,3-butadiene; buta-1,3-diene (Impurity)	CAS-No.: 106-99-0 EC-No.: 203-450-8 EC Index-No.: 601-013-00-X	≤ 0.01	Flam. Gas 1A, H220 Press. Gas Carc. 1A, H350 Muta. 1B, H340

Full text of H- and EUH-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: In the event of contact with the liquid: treat resulting frostbite as a burn. Rinse with plenty of water. Do not remove clothing (since it may stick to the skin). If skin burns appear, call a doctor immediately.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an eye specialist immediately.

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First-aid measures after ingestion : Not specifically applicable (gas).

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

Symptoms/effects : Contains refrigerated gas; may cause cryogenic burns or injury. anoxia (asphyxia). Disturbances of consciousness. Lack of oxygen: risk of death.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Carbon dioxide.
Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable gas. Heating will cause a rise in pressure with a risk of bursting. Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. Hazardous gas/vapours are formed in the event of decomposition (see section 10).

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.
Protection during firefighting : Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not attempt to take action without suitable protective equipment. Avoid contact with skin and eyes. Do not breathe smoke. Do not smoke. Evacuate personnel to a safe area. Ventilate spillage area. Stop leak without risks if possible.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Product evaporates rapidly when in contact with the air. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Other information : Mechanically ventilate the spillage area.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13: "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Use non-sparking tools. Avoid the build-up of electrostatic charge.

Hygiene measures : Do not drink, eat or smoke in the workplace.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tight closed. Store : in a cool, well-ventilated area.
Incompatible products : Oxidizing agent. Strong acids. alkali metals.
Packaging materials : Original packaging.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Propane (74-98-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1800
	1000 ppm
n-Butane (106-97-8)	
United Kingdom - Occupational Exposure Limits	
Local name	Butane
WEL TWA (OEL TWA)	1450 mg/m ³
	600 ppm
WEL STEL (OEL STEL)	1810 mg/m ³
	750 ppm
Remark	Carc (Capable of causing cancer and/or heritable genetic damage. See paragraphs 49–51), (only applies if Butane contains more than 0.1% of buta-1,3-diene)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side shields

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8.2.2.2. Skin protection

Skin and body protection:

Majority cotton protective clothing

Hand protection:

Leather protective gloves. Nitrile-rubber protective gloves. VITON gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In the event of insufficient ventilation: Gas mask with filter type AX. In a confined area : Self-contained breathing apparatus

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Colour	: Colourless.
Appearance	: Press. Gas (Liq.).
Molecular mass	: 44 g/mol
Odour	: slightly ethereal.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: -42 °C
Flammability	: Extremely flammable gas.
Explosive properties	: Not explosive material according to EC criteria.
Oxidising properties	: Non oxidizing material according to EC criteria.
Lower explosion limit	: 2.2 vol %
Upper explosion limit	: 9.5 vol %
Flash point	: Not applicable
Auto-ignition temperature	: 450 °C
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not applicable
Solubility	: Poorly soluble in water. Soluble in: Alcohol, Ethers, Chloroform. Water: 0.016 %
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 7.4 bar (20°C)
Vapour pressure at 50°C	: 16 bar
Density	: 0.5 g/cm ³ (20°C)
Relative density	: Not applicable
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 100 g/l

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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous polymerization.

10.4. Conditions to avoid

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Container under pressure. Do not drill or burn even after use. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

React in contact of alkali metals, Light metals. zinc. Magnesium. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Hydrogen fluoride. Carbonyl halogenides.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Propane (74-98-6)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm
Isobutane (75-28-5)	
LC50 Inhalation - Rat	658 mg//4h
n-Butane (106-97-8)	
LC50 Inhalation - Rat	658 mg//4h
LC50 Inhalation - Rat [ppm]	274200 ppm

Skin corrosion/irritation : Not classified
pH: Not applicable
Additional information : Contact with the liquid causes frostbite
Serious eye damage/irritation : Not classified
pH: Not applicable
Additional information : Contact with the liquefied gas may cause severe ocular lesions
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Propane (74-98-6)	
LOAEC (inhalation, rat, gas, 90 days)	21.641 mg/l
NOAEC (inhalation, rat, gas, 90 days)	7.241 mg/l

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n-Butane (106-97-8)

NOAEC (inhalation, rat, 28 days)	21.394 mg/l (Rat (Female, Male), inhalation (Gas), daily)
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Aspiration hazard : Not applicable

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

n-Butane (106-97-8)

LC50 - Fish [1]	27.98 mg/l (Fish, minnows)
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EC50 96h - Algae [1]	7.71 mg/l (algae)
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12.2. Persistence and degradability

PROPANE (74-98-6)

Persistence and degradability	Not established.
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Propane (74-98-6)

Persistence and degradability	{0} % biodegradation after {1} days.
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Isobutane (75-28-5)

Persistence and degradability	{0} % biodegradation after {1} days.
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n-Butane (106-97-8)

Persistence and degradability	{0}% biodegradation {1}.
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1,3-butadiene; buta-1,3-diene (106-99-0)

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Propane (74-98-6)

Partition coefficient n-octanol/water (Log Kow)	≥ 1.815
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n-Butane (106-97-8)

Partition coefficient n-octanol/water (Log Kow)	≥ 2.89
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12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Propane (74-98-6), Isobutane (75-28-5), n-Butane (106-97-8)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Propane (74-98-6), Isobutane (75-28-5), n-Butane (106-97-8)

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Other adverse effects : ODP (R-11=1)=0.

SECTION 13: Disposal considerations

13.1. Waste treatment methods





Product/Packaging disposal recommendations : Methods of disposal of packaging. Reuse or recycle following decontamination. Destroy at an authorised site.

Additional information : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal. Refer to manufacturer or supplier for information on recovery or recycling.

Ecological information : Must not be discharged to atmosphere. Refer to manufacturer or supplier for information on recovery or recycling.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
UN 1978	UN 1978	UN 1978	UN 1978
14.2. UN proper shipping name			
PROPANE	PROPANE	Propane	PROPANE
Transport document description			
UN 1978 PROPANE, 2.1, (B/D)	UN 1978 PROPANE, 2.1	UN 1978 Propane, 2.1	UN 1978 PROPANE, 2.1
14.3. Transport hazard class(es)			
2.1	2.1	2.1	2.1
			
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No

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ADR	IMDG	IATA	RID
No supplementary information available			

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 2F
Special provisions (ADR)	: 392, 652, 657, 662, 674
Limited quantities (ADR)	: 0
Tank code (ADR)	: PxBN(M)
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 23
Orange plates	:



Tunnel restriction code (ADR)	: B/D
EAC code	: 2YE

Transport by sea

EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U

Air transport

PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: Forbidden
PCA max net quantity (IATA)	: Forbidden
CAO packing instructions (IATA)	: 200
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A1

Rail transport

Classification code (RID)	: 2F
Special provisions (RID)	: 392, 657, 662, 674
Limited quantities (RID)	: 0
Tank codes for RID tanks (RID)	: PxBN(M)
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE3
Hazard identification number (RID)	: 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
40.	PROPANE ; Propane ; Isobutane ; n-Butane ; 1,3-butadiene; buta-1,3-diene

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

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REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

VOC content : 100 g/l

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
2.2	Safety advice	Removed	
9	Physico-chemical hazard data	Modified	
11	Indication of changes	Modified	
12.	Indication of changes	Modified	
15	Indication of changes	Added	

Other information : For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region.

Full text of H- and EUH-statements:

Carc. 1A	Carcinogenicity, Category 1A
Flam. Gas 1A	Flammable gases, Category 1A
H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H340	May cause genetic defects.
H350	May cause cancer.
Muta. 1B	Germ cell mutagenicity, Category 1B

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Full text of H- and EUH-statements:

Press. Gas	Gases under pressure
Press. Gas (Liq.)	Gases under pressure : Liquefied gas

Full text of use descriptors

ERC2	Formulation into mixture
ERC3	Formulation into solid matrix
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
PC0	Other
PC24	Lubricants, greases, release products
PC29	Pharmaceuticals
PC3	Air care products
PC32	Polymer preparations and compounds
PC34	Textile dyes, and impregnating products
PC35	Washing and cleaning products
PC39	Cosmetics, personal care products
PC8	Biocidal products
PC9a	Coatings and paints, thinners, paint removers
PC9b	Fillers, putties, plasters, modelling clay
PROC1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC11	Non industrial spraying
PROC12	Use of blowing agents in manufacture of foam
PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3	Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC5	Mixing or blending in batch processes
PROC7	Industrial spraying
PROC9	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
SU10	Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
SU12	Manufacture of plastics products, including compounding and conversion
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.