

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

propene, liquefied, under pressure

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

1.1. Product identifier

Product name : propene, liquefied, under pressure

Synonyms : 1-propene; 1-propene, liquefied, under pressure; 1-propylene, liquefied, under pressure; methylethene, liquefied,

under pressure; methylethylene, liquefied, under pressure; propene; propylene; R 1270, liquefied, under pressure;

R1270

Registration number REACH: 01-2119447103-50

Product type REACH : Substance/mono-constituent

 CAS number
 : 115-07-1

 EC index number
 : 601-011-00-9

 EC number
 : 204-062-1

 Molecular mass
 : 42.08 g/mol

 Formula
 : C3H6

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

1.2.1 Relevant identified uses

Chemical raw material

Propellant Monomer

1.2.2 Uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

BALCHEM NV Westvaartdijk 85 B-1850 Grimbergen Belgium +32 2 251 60 87 +32 2 252 17 51

info.grimbergen@balchem.com

Distributor of the product

BALCHEM NV
Westvaartdijk 85
B-1850 Grimbergen Belgium
+32 2 251 60 87
= +32 2 252 17 51
info.grimbergen@balchem.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch): +32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Flam. Gas	category 1	H220: Extremely flammable gas.
Press. Gas	Liquefied gas	H280: Contains gas under pressure; may explode if heated.

2.2. Label elements



Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)

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http://www.big.be

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Reason for revision: 2;3;11;12;15

Revision number: 0200

Publication date: 2011-11-03
Date of revision: 2018-05-02
Reference number: 3500

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34-16453-611-en



Signal word Danger

H-statements

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

P-statements

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

P381 In case of leakage, eliminate all ignition sources.

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

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

2.3. Other hazards

May build up electrostatic charges: risk of ignition Gas/vapour spreads at floor level: ignition hazard

May cause frostbites

Large spills/in enclosed spaces: risk of oxygen deficiency

SECTION 3: Composition/information on ingredients

3.1. Substances

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
propene	115-07-1	C>99 %	Flam. Gas 1; H220	(1)(2)(10)	Mono-constituent
01-2119447103-50	204-062-1		Press. Gas - Liquefied gas;		
			H280		

⁽¹⁾ For H-statements in full: see heading 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Rinse with water. Take victim to a doctor if irritation persists. In case of frostbites: Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital. Consult doctor.

After eye contact:

Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist.

After ingestion:

Not applicable.

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

4.2.1 Acute symptoms

After inhalation:

EXPOSURE TO HIGH CONCENTRATIONS: Feeling of weakness. Headache. Nausea. Irritation of the respiratory tract. Disturbed tactile sensibility. Coordination disorders. Disturbances of consciousness. Vomiting. Respiratory difficulties.

After skin contact:

Frostbites.

After eye contact:

Frostbites.

Revision number: 0200

After ingestion:

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⁽²⁾ Substance with a Community workplace exposure limit

⁽¹⁰⁾ Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

Not applicable.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher.

5.1.2 Unsuitable extinguishing media:

Small fire: Quick-acting CO2 extinguisher, Water (water can be used to control jet flame), Foam.

Major fire: Water (water can be used to control jet flame), Foam.

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters

5.3.1 Instructions:

If no hazard for/from the surroundings: controlled burning. If hazardous substances are nearby: consider extinguishment. Extinguish only if gas supply/leak can be shut afterwards. Cool tanks/drums with water spray/remove them into safety. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion.

5.3.2 Special protective equipment for fire-fighters:

Insulating gloves. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep upwind. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion proof appliances and lighting equipment. Avoid ingress of water in the containers.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Insulating gloves. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus.

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Tip the container on one side to stop the leakage. Try to reduce evaporation. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Prevent evaporation by covering with: inert absorbent material. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards. Keep container tightly closed. Before use: check for peroxides and eliminate them.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Secure cylinders tightly to prevent overturning. Ventilation at floor level. Fireproof storeroom. Provide for an automatic sprinkler system. Provide for a tub to collect spills. Provide the tank with earthing. Keep only in the original container. Under a shelter/in the open. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents, (strong) acids, halogens.

7.2.3 Suitable packaging material:

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Steel, stainless steel, monel steel, carbon steel, aluminium, copper.

7.2.4 Non suitable packaging material:

Plastics.

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

Belgium

Propylène	Time-weighted average exposure limit 8 h	500 ppm
	Time-weighted average exposure limit 8 h	875 mg/m³

USA (TLV-ACGIH)

Propylene	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	500 ppm
ropytene	Time weighted average exposure mine on (124 Maopted value)	Soo ppiii

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

If applicable and available it will be listed below.

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Do not eat, drink or smoke during work.

a) Respiratory protection:

Full face mask with filter type AX at conc. in air > exposure limit. High vapour/gas concentration: self-contained respirator.

b) Hand protection:

Insulated gloves.

- materials (excellent resistance)

Nitrile rubber, neoprene.

- materials (good resistance)

Nitrile rubber, polyethylene, PVC, tetrafluoroethylene, viton.

- materials (poor resistance)

Butyl rubber, chlorosulfonated polyethylene, natural rubber, neoprene.

c) Eye protection:

Safety glasses.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Liquefied gas		
Odour	Characteristic odour		
Odour threshold	23 ppm - 80 ppm		
	38 mg/m³ - 138 mg/m³		
Colour	Colourless		

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Particle size	Not applicable (gas)				
Explosion limits	2 - 11 vol %				
	35 - 200 g/m³				
Flammability	Extremely flammable gas.				
Log Kow	1.77 ; Experimental value ; 20 °C				
Dynamic viscosity	0.18 mPa.s ; -50 °C				
	0.078 mPa.s ; 0 °C				
Kinematic viscosity	Not determined				
Melting point	-185 °C; 1013 hPa				
Boiling point	-48 °C ; 760 mm Hg				
Evaporation rate	No data available				
Relative vapour density	1.5 ; 0 ℃				
Vapour pressure	10300 hPa ; 20 ℃				
	20600 hPa ; 50 °C				
	630 hPa ; -57 ℃				
Solubility	Water ; 0.02 g/100 ml ; 25 °C				
	Ether ; soluble				
	Ethanol ; soluble				
	Acetic acid ; soluble				
Relative density	0.61 ; -48 °C				
Decomposition temperature	815 °C				
Auto-ignition temperature	455 °C; 1013 hPa				
Flash point	-108.2 °C ; Closed cup				
Explosive properties	No chemical group associated with explosive properties				
Oxidising properties	No chemical group associated with oxidising properties				
рН	7 ; 200 mg/l ; 25 °C				

9.2. Other information

Minimum ignition energy	0.28 mJ
Critical temperature	92 °C
Critical pressure	46200 hPa
Surface tension	0.02 N/m ; -50 °C
Absolute density	611 kg/m³ ; -48 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

May build up electrostatic charges: risk of ignition. May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. Substance has neutral reaction.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Oxidizes on exposure to air: peroxidation resulting in increased fire or explosion risk. Reacts violently with (strong) oxidizers and with (some) acids: (increased) risk of fire/explosion. Polymerizes on exposure to some compounds e.g.: with (some) halogens.

10.4. Conditions to avoid

Precautionary measures

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks.

10.5. Incompatible materials

Oxidizing agents, (strong) acids, halogens.

10.6. Hazardous decomposition products

Upon combustion: CO and CO2 are formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Reason for revision: 2;3;11;12;15

Acute toxicity

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Route of exposure	Parameter	Method	Value	Exposure time	- P	Value determination	Remark
Oral						Data waiving	
Dermal						Data waiving	
Inhalation	LC50		658 mg/l	4 h	Rat	Literature	
Inhalation (gases)	NOAEC			2 weeks (daily, 5 days/week)		Weight of evidence	
Inhalation (gases)	LOAEL		50000 ppm	4 h		Weight of evidence	

As the substance is a gas, inhalation is the most likely route of exposure

Conclusion

Not classified for acute toxicity

Corrosion/irritation

propene, liquefied, under pressure

Route of exposure	Result	Method	Exposure time	Time point	 Value determination	Remark
Eye					Data waiving	
Skin					Data waiving	

The liquid form can cause frostbites, typical for all liquefied gases

Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

propene, liquefied, under pressure

	Route of exposure	Result	Method	 Observation time point	Species	Value determination	Remark
[Skin					Data waiving	

The study on skin sensitisation does not need to be conducted as the substance is a gas

Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

Specific target organ toxicity

propene, liquefied, under pressure

opene, nqueneu, unc	bene, ilqueneu, under pressure								
Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination	
Oral								Data waiving	
Dermal								Data waiving	
Inhalation (gases)		Equivalent to OECD 413	17200 mg/m ³				Rat (male/female)	Experimental value	
Inhalation (gases)		Equivalent to OECD 453	5000 ppm	Nose	Slight irritation	` '	Rat (male/female)	Experimental value	

As the substance is a gas, inhalation is the most likely route of exposure

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

propene, liquefied, under pressure

Result	Method	Test substrate	Effect	Value determination
Ambiguous		Mouse (lymphoma L5178Y cells)		Experimental value
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)		Experimental value

Mutagenicity (in vivo)

propene, liquefied, under pressure

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Inhalation (gases))	OECD 474	4 weeks (6h/day, 5 days/week)	Rat (male)		Experimental value

Conclusion

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Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

propene, liquefied, under pressure

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	- 0-	Value determination
Inhalation (gases)		Equivalent to OECD 453		(// -	Rat (male/female)	No effect		Experimental value

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

propene, liquefied, under pressure

	Parameter	Method	Value	Exposure time	Species	Effect	- 0	Value determination
Developmental toxicity (Inhalation)	NOAEC	OECD 414		14 days (6h/day)	Rat (female)	No effect		Experimental value
Maternal toxicity (Inhalation)	NOAEC	OECD 414		14 days (6h/day)	Rat (female)	No effect		Experimental value
Effects on fertility (Inhalation (gases))	NOAEC	Other	,,,,		Rat (male/female)	No effect		Experimental value

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

propene, liquefied, under pressure
No (test)data available

Chronic effects from short and long-term exposure

propene, liquefied, under pressure
No effects known.

SECTION 12: Ecological information

12.1. Toxicity

propene, liquefied, under pressure

opene, ilquenea, under pressure								
	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	ECOSAR	51.7 mg/l	96 h	Pisces		Fresh water	QSAR
Acute toxicity crustacea	LC50	ECOSAR	28.2 mg/l	48 h	Daphnia sp.		Fresh water	QSAR
Toxicity algae and other aquatic plants	EC50	ECOSAR	12.1 mg/l	96 h	Chlorophyta		Fresh water	QSAR
	ChV	ECOSAR	4.5 mg/l	96 h	Chlorophyta		Fresh water	QSAR
Long-term toxicity fish	ChV	ECOSAR	5.3 mg/l	30 day(s)	Pisces		Fresh water	QSAR
Long-term toxicity aquatic crustacea	ChV	ECOSAR	3.1 mg/l	16 day(s)	Daphnia sp.		Fresh water	QSAR
Toxicity aquatic micro- organisms								Data waiving

	Parameter	Method	Value	Duration	Species	Value determination
Toxicity soil macro-organisms	LC50	ECOSAR	77.3 ppm	14 day(s)	Lumbricus sp.	QSAR

Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

propene, liquefied, under pressure

Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
	14.6 h	500000 /cm³	Experimental value

Half-life water (t1/2 water)

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Method		Primary degradation/mineralisation	Value determination
	2.36 day(s)		QSAR

Half-life soil (t1/2 soil)

Method	Primary degradation/mineralisation	Value determination
		Data waiving

Conclusion

Biodegradable in water

Biodegradable in the soil

12.3. Bioaccumulative potential

propene, liquefied, under pressure

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
					Data waiving

Log Kow

Method	Remark	Value	Temperature	Value determination
		1.77	20 °C	Experimental value

Conclusion

Low potential for bioaccumulation (Log Kow < 4)

12.4. Mobility in soil

propene, liquefied, under pressure

(log) Koc

Parameter	Method	Value	Value determination
			Data waiving

Volatility (Henry's Law constant H)

Value	Method	Temperature	Remark	Value determination
1.6E4 Pa.m³/mol	SRC HENRYWIN v3.20	25 °C		QSAR

Percent distribution

Method	Fraction air		Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level I	100 %	0 %	0 %	0 %	0 %	Calculated value

Conclusion

Not applicable (gas)

12.5. Results of PBT and vPvB assessment

Substance does not meet the criteria of PBT, nor the criteria of vPvB according to Annex XIII of Regulation (EC) No 1907/2006, so is neither PBT nor vPvB.

12.6. Other adverse effects

propene, liquefied, under pressure

Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

16 05 04* (gases in pressure containers and discarded chemicals: gases in pressure containers (including halons) containing hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

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Refer to manufacturer/supplier for information on recovery/ recycling. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. May be discharged to company wastewater treatment plant. Do not discharge into the sewer.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

14.6. Special precautions for user Special provisions

(ADD)	
d (ADR)	
14.1. UN number	4077
UN number	1077
14.2. UN proper shipping name	December -
Proper shipping name	Propylene
14.3. Transport hazard class(es)	lee .
Hazard identification number	23
Class	2
Classification code	2F
4.4. Packing group	
Packing group	
Labels	2.1
4.5. Environmental hazards	
Environmentally hazardous substance mark	no
4.6. Special precautions for user	
Special provisions	662
Limited quantities	none.
(RID)	
14.1. UN number	
UN number	1077
4.2. UN proper shipping name	1077
Proper shipping name	Propylene
14.3. Transport hazard class(es)	Поручене
Hazard identification number	23
Class	2
Classification code	2F
4.4. Packing group	21
Packing group Labels	2.1 (+13)
	2.1 (+13)
14.5. Environmental hazards	1
Environmentally hazardous substance mark	no
14.6. Special precautions for user	leen.
Special provisions	662
Limited quantities	none.
nd waterways (ADN)	
14.1. UN number	
UN number	1077
14.2. UN proper shipping name	
Proper shipping name	Propylene
14.3. Transport hazard class(es)	· · ·
Class	2
Classification code	2F
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	J
Environmentally hazardous substance mark	no
14.6. Special presentions for user	lio lio

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Limited quantities	none
a (IMDG/IMSBC)	
14.1. UN number	
UN number	1077
14.2. UN proper shipping name	·
Proper shipping name	Propylene
14.3. Transport hazard class(es)	
Class	2.1
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Marine pollutant	-
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	
Limited quantities	none.
14.7. Transport in bulk according to Annex II of Marpol and the IB	BC Code
Annex II of MARPOL 73/78	Not applicable
r (ICAO-TI/IATA-DGR)	
14.1. UN number	
UN number	1077
14.2. UN proper shipping name	•
Proper shipping name	Propylene
14.3. Transport hazard class(es)	•
Class	2.1
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	A1
Limited quantities: maximum net quantity per packaging	

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
100 %	

REACH Annex XVII - Restriction

Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
· propene	2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to that Regulation or not.	1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following: — metallic glitter intended mainly for decoration, — artificial snow and frost, — "whoopee" cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foams, — artificial cobwebs, — strink bombs. 2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: "For professional users only". 3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers

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referred to Article 8 (1a) of Council Directive 75/ 324/EEC.
4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market
unless they conform to the requirements indicated.

National legislation Belgium

No data available

National legislation The Netherlands

Waterbezwaarliikheid	R (3)
Waterbezwaarnjkneid	lp (3)

National legislation France

No data available

National legislation Germany

	nwg; Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 and Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) of 18 April 2017
TA-Luft	5.2.5

National legislation United Kingdom

No data available

Other relevant data

TLV - Carcinogen	Propylene; A4
IARC - classification	3; Propylene

15.2. Chemical safety assessment

A chemical safety assessment has been performed.

SECTION 16: Other information

Full text of any H-statements referred to under heading 3:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

(*) INTERNAL CLASSIFICATION BY BIG

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

DMEL Derived Minimal Effect Level
DNEL Derived No Effect Level
EC50 Effect Concentration 50 %

ErC50 EC50 in terms of reduction of growth rate

LC50 Lethal Concentration 50 %

LD50 Lethal Dose 50 %

NOAEL No Observed Adverse Effect Level
NOEC No Observed Effect Concentration

OECD Organisation for Economic Co-operation and Development

PBT Persistent, Bioaccumulative & Toxic
PNEC Predicted No Effect Concentration

STP Sludge Treatment Process

vPvB very Persistent & very Bioaccumulative

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