

Trade name: ROTISOL® SPRAY GRÜN
Revision date: 19.01.2018
Version: 1/1

Effective Date: 14.01.2016
Replace version: --

CHAPTER 1: Name of the product/use of substance/company information

1.1 Commercial product name

ROTISOL® SPRAY GRÜN

1.2 Use of substance/preparation

Professional/industrial use
Mould Release Agent - Lubricant

1.3 Company name of producer / provider of MSDS

Supplier

SELLACQ-Holland BV

Street

Nipkowitzweg 11

Country / postal code / city

NL - 8501 XH JOURE

Telephone / E-Mail

+31 (0)513 499 657 E-Mail: info@sellacq-holland.nl

CHAPTER 2: Hazard identification

2.1 Classification of the substance / preparation

Classification referred to 75/324/EWG of 20. Mai 1975
Revised through: Aerosol Directive 94/1/EG of 06.01.1994
Directive 2013/10/EU of amendment of the Aerosol Regulation 75/324/EWG (GHS)
Directive EG Nr. 1272/2008

<u>Classification</u>	<u>Category</u>	<u>GHS Hazard Statements</u>
Extremely flammable aerosol	Category 1	H222; H229

Classification referred EU-Directive 67/EWG or 1999/45/EG
Aerosol Regulation 75/324/EWG of 20. Mai 1975 amended through
Aerosol-Regulation 94/1/EG of 06.01.1994
R12 Extremely flammable

2.2 Hazard statement Regulation No. 1272/2008 and Directive 2013/10/EU for amendment of the Aerosol Directive 75/324/EWG (GHS)

Pictogram(s) and signal word(s) of the product



Signal word: Danger

GHS Hazard Statements

H222 Extremely flammable aerosol
H229 Can is under pressure. Danger of bursting of the can in case of overheating

GHS Precautionary Statements

P102 Keep out of reach of children
P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking
P211 Do not spray on an open flame or other ignition source
P251 Pressurized container: Do not pierce or burn, even after use
P410 Protect from sunlight
P412 Do not expose to temperatures exceeding 50 °C/ 122 °F

Trade name: ROTISOL® SPRAY GRÜN
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Voluntary addition

Formation of explosive vapour air mixtures possible without sufficient aeration.

2.5 Other hazard

Danger of bursting of the can in case of overheating. Formation of explosive vapour-air-mixtures possible. Spray jet inflammable – Content is flammable

CHAPTER 3: Composition / Information of ingredient

3.1 Substances

This substance is a mixture of compressed gas and vegetal oils

CHAPTER 4: First Aid Measures

4.1. Description of first aid measures

General advices:

In case of prolonged indisposition: turn to a doctor (if possible: show the label or MSDS)

Eyes:

Irritate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

Skin:

Wipe the product away with a fabric or paper towel. Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical advice. Wash contaminated clothes before using it again.

Inhalation:

Remove to open air. If applicable: breath donation, warm. If loss of consciousness: recovery position. If breathing is irregular, seek medical advice.

Ingestion:

Rinse the mouth with water and drink plenty of water. Do not induce vomiting.

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

No information available

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

No information available

CHAPTER 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Waterfog, extinguishing powder, alcohol steady fire fighting foam, sand, carbon dioxide

Extinguishing media which shall not be used for safety reason

Water jet, water spray jet

5.2 Special hazards arising from the substance or mixture

Danger of bursting of the can in case of overheating and will uncontrollably flung with great force (risk of injury/ formation of explosive vapour-air-mixtures) Combustion products are carbon monoxide and possibly other not known.

5.3 Advice for fire-fighters

General information

Breathing-apparatus

Special protective equipment for fire-fighters

Adapt fire fighting measures with the environment.

5.4 Further advices

If there is no directly impact of fire or great heat, move the stocked goods to a safety place or protect it against overheating (example: water spray jet)

CHAPTER 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.
Due to slip hazard sweep the product up.
Do not walk through the product.

6.2 Environmental precautions

Prevent an uncontrolled drain of the product in the natural environment. Embank leaked product with suitable material (e.g. soil). Close the leak if it is not dangerous.

Trade name: **ROTISOL® SPRAY GRÜN**
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6.3 Methods and material for containment and cleaning up

Use mechanical tools to collect the leaked product. Clean the slippery ground with soap solution or other bio-degradable cleaner.

CHAPTER 7: Handling and storage

7.1 Precaution for safe handling

Advice for safety handling

The can is under pressure. Do not store it at temperatures above 50 °C. Do not expose to direct sunlight. Do not puncture or incinerate this can. Do not inhale. Extremely flammable. Keep away from heat or open flame. Use only in good ventilated areas, far away from ignition sources. Do not smoke. Keep out of reach of children. Vapours can cause somnolence and obnubilation. Danger of formation of explosive mixtures without sufficient aeration. Harmful for water organism. Possibility of prolonged harmful effects in waters. Do not store the cans in proximity of sparks, ignition or heated sources.

7.2 Indication in case of fire or explosion

Danger of bursting of the can in case of overheating. Formation of explosive vapour-air-mixtures possible. Spray jet inflammable – Content is flammable. Please, read point 5 for further information in case of fire.

7.3 Conditions for safe storage, including any incompatibilities

Do not store it at temperatures above 50 °C. Do not expose to direct sunlight.

7.4 Information about mixed storage

TRG 300
Storage with aerosol cans with inflammable liquids no. 6.11 part 6 TRbF 110 and TRGS 510.
Aerosol cans which contain dangerous substances see § 24 GefStoffV

7.5 Other information concerning storage

Max. temperature during the transport and the storage: 50 °C

7.6 Storage category (TRGS 510)

2B

CHAPTER 8: Exposure control / individual protection

8.1 Control parameter

CAS-No	Chemical Name	%	type	value	unit	
74-98-6	Propane	10-20	MAK	1000 1800	ml/m ³ (ppm) mg/m ³ 4 (II); DFG	AGW (Germany)
106-97-8	Butane	50-70	MAK	1000 2400	ml/m ³ (ppm) mg/m ³ 4 (II); DFG	AGW (Germany)

8.2 Exposure controls

Follow the usual preventive measures for the handling of chemicals. Do not eat and drink during the work – do not smoke. Arrange a sufficient aeration. Avoid the contact with the eyes and the skin.

8.3 Respiratory protection

Advice: If aeration is insufficient, wear respiratory protection. Necessary if the control parameters are passed over.

8.4 Hands protection



Wear solvent durable work gloves. The specific suitability should be clear up with the producer of the work gloves. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

8.5 Eyes protection



Use of protective airtight goggles recommended.

Trade name: ROTISOL® SPRAY GRÜN
Revision date: 19.01.2018
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8.6 Skin protection



Wear professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.

CHAPTER 9: Physical and chemical properties

9.1. General Information

Appearance : Aerosol/liquid
Colour : colourless
Odour : odourless

9.2 Relevant information concerning human health, safety and environment

Change of state : sprayed compressed gas is immediately gaseous
sprayed solvents evaporate quickly
Flash-point : n.a.*
Inflammability : sprayed jet and evaporation vapour are extremely flammable
Boiling-point : n.a.*
Self inflammability : no
Fire accelerant : overheating
danger of bursting of the can in case of overheating.
Formation of explosive vapour-air-mixtures possible
Explosive limits : n.a.*
Vapour pressure here: inside pressure : At 50 °C max. 2/3 of test pressure
Fill factor at 20 °C : 0,599
Water solubility : no
Content of solver : without

* (not applicable) The ready mixture in the spraying container develops only after adding the pressed gas *-statements are not measurable in the air-tight containers, which are under pressure.

CHAPTER 10: Stability and reactivity

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Formation of explosive vapour-air-mixtures possible with insufficient aeration.

10.4 Conditions to avoid

Protect the product against heat, flames and sparks. Danger of bursting in case of overheating.

10.5 Incompatible materials

Oxidants

10.6 Hazardous decomposition products

In case of fire: Combustion products are carbon monoxide and possibly other not known

CHAPTER 11: Toxicological information

11.1 Information on toxicological effects

Component	Type	Value	Species
Propane	Inhalation (LC ₅₀ /4h)	> 20 mg/l	Rat
Butane	Inhalation (LC ₅₀ /4h)	658 mg/l	Rat

Skin irritation: a clinical relevant skin irritation is not to be expected based on the available data

Serious eye irritation: a clinical relevant eye irritation is not to be expected based on the available data

11.2 Sensitization

is not to be expected based on the available data

Trade name: ROTISOL® SPRAY GRÜN
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11.3 Further toxicological information

direct inhalation of spray/vapour in high concentrations works anesthetic

CHAPTER 12: Ecological information

12.1 Toxicity

No data available

12.2 Mobility

No data available

12.3 Bioaccumulation potential

The product is lighter than water

12.4 Results of the estimation of PBT and vPvB

The product is neither a PBT or vPvB-substance nor it contains PBT or vPvB-substances

12.5 Other adverse effect

Avoid the infiltration in the subsurface. Do not attain the product in surface water and the canalization. Advise the responsible public authorities, if the product attained in waters or canalization or contaminated ground and plants.

CHAPTER 13: Disposal consideration

13.1 Product

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations. Basically is not only the product-related rubbish keys valid, but also the practical relevance of the product since 01.01.1999. Therefore the rubbish key for the application of the product has to determinate by the European waste catalogue (EAV).

13.2 Contaminated packing

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

CHAPTER 14: Transport information

14.1 UN number

1950

14.2 Proper shipping name (UN)

Road ADR : aerosols

Rail RID : aerosols

Maritime transport IMDG/GGVSee : aerosols

Air transport ICAO-TI/IATA-DGR : aerosols, flammable

14.3 Classes of risk

ADR Road

ADR-class: 2 (aerosols are classified as limited quantities)
(hazard label, classifying code, identification number of risk, restriction code for tunnels)
* 2.1 5F, LQ2, (D)

*aerosols are classified in column 7a as LQ2 (1L)

RID Rail

RID-class: 2 (aerosols are classified as limited quantities)
(hazard label, classifying code, identification number of risk, restriction code for tunnels)
* 2.1 5F, LQ2

*aerosols are classified in column 7a as LQ2 (1L)

Sea shipment IMDG-Code

(hazard label; EmS): *2.1, F_D, S-U

* notation on transport document: transport according 28, Amdt., limited quantities



Trade name: ROTISOL® SPRAY GRÜN
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Air shipment ICAO-TI/IATA-DGR

ICAO/IATA-class: 2.1 UN-proved packaging prescribed



14.4 Packing group

ADR: --
RID: --
IMDG: --

14.5 Environmental perils

Labelling according 5.2.1.8 ADR : no (limited quantities)
Labelling according 5.2.1.8 RID : no (limited quantities)
Labelling according 5.2.1.6.3 IMDG : no (limited quantities)
Classification as environmental peril according 2.9.3 IMDG : no (limited quantities)

14.6 Bulk cargo transport according annex II of the MARPOLagreement 73/78 and according IBC-code

There is no bulk cargo transport in ships intended

CHAPTER 15: Regulatory information

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

Water hazard class : 1 (VwVwS) (Germany) of 17.05.1999, annex 4)
Hazardous incident ordinance : observe the barrier of the hazardous incident ordinance

Other directions : national directives and laws have to be followed
Statement of labelling are mentioned in chapter 2 of this MSDS

TRG 300, work restriction: the work restrictions according the maternity protection directive and the adolescence labour have to be observed

15.2 Chemical safety assessment

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CHAPTER 16: Other information

16.1 Completely wording of the R-phrases in chapter 2 and 3

R 12 extremely flammable

16.2 Completely wording of the hazard statements in chapter 2 and 3

H220 extremely flammable gas
H222 extremely flammable aerosol
H229 can is under pressure. Danger of bursting of the can in case of overheating
H280 contains gas under pressure; may explode if heated

16.3 Note for user

The information contained in the present sheet are based on our knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as guarantee on any specific product property. The use of this product is not subject to our direct control, therefore, users must, under their own responsibility comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from proper uses.

- End of MSDS -