GALVEX SPRAY

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

1.1. Product identifier

Trade name

GALVEX SPRAY

Unique formula identifier (UFI)

QY00-Y0UF-R005-3WGH

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

Relevant identified uses of the substance or mixture

Rustproofing

Uses advised against

For professional / industrial users only.

1.3. Details of the supplier of the safety data sheet

Company and address

Unipak A/S
Marktoften 3C
8464 Galten
Denmark
+45 8626 1177
www.unipak.dk

E-mail

sales@unipak.dk

Revision

12/05/2022

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2; H315, Causes skin irritation.
Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H335, May cause respiratory irritation.
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.
Aquatic Acute 1; H400, Very toxic to aquatic life.
Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Extremely flammable aerosol. Pressurised container: May burst if heated. (H222, H229)
Causes skin irritation. (H315)
Causes serious eye irritation. (H319)
May cause respiratory irritation. (H335)
May cause damage to organs through prolonged or repeated exposure. (H373)
Very toxic to aquatic life with long lasting effects. (H410)

Safety statement(s)

General

-

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not spray on an open flame or other ignition source. (P211)
Do not pierce or burn, even after use. (P251)
Avoid release to the environment. (P273)
Wear protective gloves/eye protection. (P280)

Response

Get medical advice/attention if you feel unwell. (P314)

Storage

Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F. (P410+P412)

Disposal

-

Hazardous substances

m-xylene

2.3. Other hazards

Additional labelling

For professional / industrial users only.

Additional warnings

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
zinc powder - zinc dust (stabilised)	CAS No.: 7440-66-6 EC No.: 231-175-3 REACH: 01-2119467174-37-XXXX Index No.: 030-001-01-9	40 -< 60%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
dimethyl ether	CAS No.: 115-10-6 EC No.: 204-065-8 REACH: 01-2119472128-37 Index No.: 603-019-00-8	20 -< 50%	Flam. Gas 1A, H220 Press. Gas (Comp.) H280	[1]
m-xylene	CAS No.: 1330-20-7	15 -< 25%	Flam. Liq. 3, H226 Asp. Tox. 1, H304	[1]

	EC No.: 215-535-7 REACH: 01-2119488216-32 Index No.: 601-022-00-9		Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 2, H373 Dermal(Dermal)	
zinc oxide	CAS No.: 1314-13-2 EC No.: 215-222-5 REACH: 01-2119463881-32-XXXX Index No.: 030-013-00-7	5 -< 10%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified	CAS No.: 64742-95-6 EC No.: 265-199-0 REACH: 01-2119455851-35 Index No.: 649-356-00-4	5 -< 10%	EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2, H411	
trizinc bis(orthophosphate)	CAS No.: 7779-90-0 EC No.: 231-944-3 REACH: 01-2119485044-40 Index No.: 030-011-00-6	5 -< 10%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
ethylbenzene	CAS No.: 100-41-4 EC No.: 202-849-4 REACH: 01-2119489370-35-XXXX Index No.: 601-023-00-4	5 -< 10%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit

H304: Does not apply to aerosols.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and

soap. Skin cleanser can be used. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2).

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Minor spills are collected with a cloth. Shall be contained in suitable and tightly closed disposal containers.

6.4. Reference to other sections

See section 13 on “Disposal considerations” in regard of handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the product.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.
Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

5 - 45°C

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

—
zinc powder - zinc dust (stabilised)
Long term exposure limit (8 hours) (mg/m³): 4 mg/m³ (EH40/2005 para 44)

—
dimethyl ether
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m³): 766
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m³): 958

—
m-xylene
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m³): 220
Short term exposure limit (15 minutes) (ppm): 100
Short term exposure limit (15 minutes) (mg/m³): 441
Annotations:
BMVG = Biological Monitoring Guidance Value exists
Sk = Can be absorbed through the skin and lead to systemic toxicity.

—
ethylbenzene
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m³): 441
Short term exposure limit (15 minutes) (ppm): 125
Short term exposure limit (15 minutes) (mg/m³): 552
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Product/substance	zinc powder - zinc dust (stabilised)
DNEL	5 mg/m³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	zinc powder - zinc dust (stabilised)
DNEL	83 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	dimethyl ether
DNEL	1894 mg/m³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	m-xylene
DNEL	180 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	m-xylene
DNEL	77 mg/m³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	m-xylene
DNEL	289 mg/m³
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers

Product/substance	m-xylene
DNEL	289 mg/m³
Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers

Product/substance	zinc oxide
DNEL	5 mg/m³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	zinc oxide
DNEL	83 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	trizinc bis(orthophosphate)
DNEL	5 mg/m³

Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	trizinc bis(orthophosphate)
DNEL	83 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

PNEC

Product/substance	zinc powder - zinc dust (stabilised)
PNEC	35,6 mg/kg dw
Route of exposure	Soil
Duration of Exposure	

Product/substance	zinc powder - zinc dust (stabilised)
PNEC	0,0061 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	zinc powder - zinc dust (stabilised)
PNEC	0,0206 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	zinc powder - zinc dust (stabilised)
PNEC	117,8 mg/L
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	zinc powder - zinc dust (stabilised)
PNEC	56,5 mg/L
Route of exposure	Marine water sediment
Duration of Exposure	

Product/substance	dimethyl ether
PNEC	0,045 mg/kg soil dw
Route of exposure	Soil
Duration of Exposure	

Product/substance	dimethyl ether
PNEC	1,549 mg/L
Route of exposure	Water
Duration of Exposure	

Product/substance	dimethyl ether
PNEC	0,155 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	dimethyl ether

PNEC	0,016 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	m-xylene
PNEC	2,31 mg/kg
Route of exposure	Soil
Duration of Exposure	

Product/substance	m-xylene
PNEC	0,327 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	m-xylene
PNEC	0,327 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	m-xylene
PNEC	12,46 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/substance	m-xylene
PNEC	6,58 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	

Product/substance	zinc oxide
PNEC	0,0206 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	zinc oxide
PNEC	117,8 mg/L
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	zinc oxide
PNEC	0,0061 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	zinc oxide
PNEC	56,5 mg/L
Route of exposure	Marine water sediment
Duration of Exposure	

Product/substance	zinc oxide
PNEC	35,6 mg/L

Route of exposure	Soil
Duration of Exposure	

Product/substance	trizinc bis(orthophosphate)
PNEC	0,0206 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	trizinc bis(orthophosphate)
PNEC	117,8 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	trizinc bis(orthophosphate)
PNEC	0,0061 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	trizinc bis(orthophosphate)
PNEC	56,5 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/substance	trizinc bis(orthophosphate)
PNEC	35,6 mg/kg
Route of exposure	Soil
Duration of Exposure	

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

Provide adequate general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
A	Class 2 (medium capacity)	Brown	EN14387

Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn.	-	-

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0,3	120	EN374-2

Eye protection

Type	Standards
In the likelihood of direct or incidental exposure, use face protection.	EN166

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

Aerosol

Colour

Gray

Odour

Solvent

Odour threshold (ppm)

Testing not relevant or not possible due to nature of the product.

pH

Not applicable - product is an aerosol

Density (g/cm³)

Testing not relevant or not possible due to nature of the product.

Viscosity

Testing not relevant or not possible due to nature of the product.

Phase changes

Melting point (°C)

Testing not relevant or not possible due to nature of the product.

Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

Vapour pressure

Testing not relevant or not possible due to nature of the product.

Vapour density

Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

Evaporation rate (n-butylacetate = 100)

Data on fire and explosion hazards

Flash point (°C)

Does not apply to aerosols.

Ignition (°C)

Testing not relevant or not possible due to nature of the product.

Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

Explosion limits (% v/v)

Testing not relevant or not possible due to nature of the product.

Explosive properties

Testing not relevant or not possible due to nature of the product.

Oxidizing properties

Testing not relevant or not possible due to nature of the product.

Solubility

Solubility in water

Insoluble

n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product/substance	zinc powder - zinc dust (stabilised)
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	5,41 mg/L 4h ·
Other information	

Product/substance	zinc powder - zinc dust (stabilised)
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 2000 mg/kg bw ·
Other information	

Product/substance	dimethyl ether
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	164000 ppm ·
Other information	

Product/substance	m-xylene
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	3523 mg/kg bw ·
Other information	

Product/substance	m-xylene
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	> 5000 mL/kg bw ·
Other information	

Product/substance	m-xylene
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	6700 ppm 4h ·
Other information	

Product/substance	Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 5000 mg/kg bw ·
Other information	

Product/substance	Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified
Test method	
Species	Rabbit

Route of exposure	Dermal
Test	LD50
Result	> 2000 mg/kg bw ·
Other information	

Product/substance	Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	> 5610 mg/m³ air 4h ·
Other information	

Product/substance	trizinc bis(orthophosphate)
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	> 2000 mg/kg ·
Other information	

Product/substance	ethylbenzene
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	3500 mg/kg ·
Other information	

Product/substance	ethylbenzene
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	5000 mg/kg ·
Other information	

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

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

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Other information

m-xylene has been classified by IARC as a group 3 carcinogen.

ethylbenzene has been classified by IARC as a group 2B carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	zinc powder - zinc dust (stabilised)
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	439 µg/L ·
Other information	

Product/substance	zinc powder - zinc dust (stabilised)
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	LC50
Result	1833 µg/L ·
Other information	

Product/substance	dimethyl ether
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	> 4,1 g/L ·
Other information	

Product/substance	dimethyl ether
Test method	
Species	Algae
Compartment	

Duration	96 hours
Test	EC50
Result	154,917 mg/L ·
Other information	

Product/substance	dimethyl ether
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	> 4,4 g/L ·
Other information	

Product/substance	m-xylene
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	2,6 µg/L ·
Other information	

Product/substance	m-xylene
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	4,36 mg/L ·
Other information	

Product/substance	m-xylene
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	> 4,4 mg/L ·
Other information	

Product/substance	Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified
Test method	
Species	Fish
Compartment	
Duration	48 hours
Test	LC50
Result	5,4 mg/L ·
Other information	

Product/substance	Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified

Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	EC50
Result	64 mg/L ·
Other information	

12.2. Persistence and degradability

Product/substance	dimethyl ether
Biodegradable	No
Test method	OECD 301 D
Result	5%

12.3. Bioaccumulative potential

Product/substance	m-xylene
Test method	
Potential bioaccumulation	No data available
LogPow	2,7700
BCF	No data available
Other information	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 - Acute toxicity

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

16 05 04* Gases in pressure containers (including halons) containing dangerous substances

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	UN1950	AEROSOLS	Class: 2 Labels: 2.1 Classification code: 5F 	-	Yes	Limited quantities: 1 L Tunnel restriction code: (D) See below for additional information.
IMDG	UN1950	AEROSOLS	Class: 2 Labels: 2.1 Classification code: 5F 	-	Yes	Limited quantities: 1 L EmS: F-D S-U See below for additional information.
IATA	UN1950	AEROSOLS	Class: 2 Labels: 2.1 Classification code: 5F 	-	Yes	See below for additional information.

* Packing group

** Environmental hazards

Additional information

IMDG / See the Dangerous Goods List, section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

P3a - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 150 tonnes (net) / (upper-tier): 500 tonnes (net)
E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

Additional information

Not applicable

Sources

The Management of Health and Safety at Work Regulations 1999
The Health and Safety at Work etc. Act 1974 Regulations 2013.
The Aerosol Dispensers Regulations 2009 No. 2824, amended in 2014 (No. 1130) and in 2018 (No. 29)
Control of Major Accident Hazards (COMAH) Regulations 2015.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.
EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.
H220, Extremely flammable gas.
H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H280, Contains gas under pressure; may explode if heated.
H304, May be fatal if swallowed and enters airways.
H312, Harmful in contact with skin.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H373, May cause damage to organs through prolonged or repeated exposure.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
The classification of the substance/mixture in regard of physical hazards has been based on experimental data.

The safety data sheet is validated by

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Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
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