

**Safety Data Sheet**

according to UK REACH Regulation

JMC Batteriepolenschutz

Revision date: 13.09.2024

Page 1 of 15

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

JMC Batteriepolenschutz

UFI: 5M8A-X2MN-7H0A-P99G

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

Lubricating agent

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name: Johannes J. Matthies GmbH & Co. KG

Street: Hammerbrookstr. 97

Place: D-20097 Hamburg

Telephone: + 49 (0) 40 2 37 21-0

Telefax: + 49 (0) 40 2 37 21-363

E-mail: info@matthies.de

Internet: www.matthies.de

Responsible Department: Abteilung Produktsicherheit

Supplier

Company name: Larsson UK Ltd.

Street: 7 Alpha Court, Phoenix Parkway

Place: GB-NN17 5DP Corby

Telephone: + 44 1536 265633

E-mail: info@larsson.uk.com

Internet: www.larsson.uk.com

1.4. Emergency telephone number:

+ 44 1536 265633

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Aerosol 1; H222-H229

Skin Irrit. 2; H315

STOT SE 3; H336

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

Hydrocabons, C7, n-alkanes, iso-alkanes, cyclics

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Danger

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 2 of 15

Pictograms:**Hazard statements**

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe Aerosol.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of Water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of waste according to applicable legislation.

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 3 of 15

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
75-28-5	isobutane			25 - < 50 %
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1, Liquefied gas; H220 H280			
64742-49-0	Hydrocabons, C7, n-alkanes, iso-alkanes, cyclics			5 - < 10 %
	927-510-4		01-2119475515-33	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane			5 - < 10 %
	921-024-6		01-2119475514-35	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
74-98-6	propane			5 - < 10 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Liquefied gas; H220 H280			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			1 - < 3 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
106-97-8	butane			1 - < 3 %
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1, Liquefied gas; H220 H280			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-49-0	927-510-4	Hydrocabons, C7, n-alkanes, iso-alkanes, cyclics	5 - < 10 %
		inhalation: LC50 = > 23,3 mg/l (vapours); dermal: LD50 = > 2800 - 3100 mg/kg; oral: LD50 = 5500 mg/kg	
	921-024-6	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane	5 - < 10 %
		inhalation: LC50 = > 25,2 mg/l (vapours); dermal: LD50 = > 2800 - 3100 mg/kg; oral: LD50 = > 5000 mg/kg	
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	1 - < 3 %
		inhalation: LC50 = 47,5 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5280 mg/kg	
106-97-8	203-448-7	butane	1 - < 3 %
		inhalation: LC50 = 658 ppm (gases)	

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Remove person to fresh air and keep comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. When in doubt

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 4 of 15

or if symptoms are observed, get medical advice.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache, Nausea, Dizziness.

Causes mild skin irritation. May cause drowsiness or dizziness.

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

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Pyrolysis products, toxic, Carbon monoxide, Carbon dioxide (CO₂), aldehydes, carbon black.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

Additional information

Danger of bursting container.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use personal protection equipment.

For non-emergency personnel

First aider: Pay attention to self-protection!

For emergency responders

Fight fire with normal precautions from a reasonable distance.
Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

6.3. Methods and material for containment and cleaning up**For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolenschutz

Revision date: 13.09.2024

Page 5 of 15

Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe instructions for use. Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
When using do not eat, drink, smoke, sniff.
Personal protection equipment: see section 8
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Heating causes rise in pressure with risk of bursting.
Vapours can form explosive mixtures with air.

Further information on handling

Avoid contact with skin. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Observe in addition any national regulations!

Hints on joint storage

Do not store together with: Oxidising agent, Pyrophoric or self-heating substances
Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against: Frost. Protect against direct sunlight. Store in a cool dry place. Observe in addition any national regulations!

7.3. Specific end use(s)

Lubricating agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolenschutz

Revision date: 13.09.2024

Page 6 of 15

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64742-49-0	Hydrocabons, C7, n-alkanes, iso-alkanes, cyclics			
Worker DNEL, long-term		inhalation	systemic	2085 mg/m³
Worker DNEL, long-term		dermal	systemic	300 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	447 mg/m³
Consumer DNEL, long-term		dermal	systemic	149 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	149 mg/kg bw/day
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane			
Worker DNEL, long-term		inhalation	systemic	2035 mg/m³
Worker DNEL, long-term		dermal	systemic	773 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	608 mg/m³
Consumer DNEL, long-term		dermal	systemic	699 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	699 mg/kg bw/day
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			
,				

Additional advice on limit values

- a no restriction
- b End of exposure or end of shift
- c at long term exposure: after several previous shifts
- d before next shift

Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept

Z: A risk of reproductive effects cannot to be excluded if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept

Whole blood (B)

Urine (U)

8.2. Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Protective and hygiene measures

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

Eye/face protection

Tightly sealed safety glasses. (DIN EN 166)

Hand protection

Protect skin by using skin protective cream.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber).

Breakthrough time: 480 min

Thickness of the glove material: 0,45 mm

EN ISO 374

Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

exceeding exposure limit values:

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 7 of 15

Suitable respiratory protection apparatus: Combination filtering device (EN 14387)

Filtering device with filter or ventilator filtering device of type: AX

Observe the wear time limits as specified by the manufacturer.

Observe in addition any national regulations!

Environmental exposure controls

Observe in addition any national regulations!

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Aerosol
Colour:	blue
Odour:	like: Solvent
Odour threshold:	not determined

Test method

pH-Value:	not determined	DIN 19268
-----------	----------------	-----------

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	- 42 °C
Flash point:	- 80 °C

Flammability

Solid/liquid:	Flammable aerosol.
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	11 vol. %
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,796 g/cm ³ DIN 51757
Water solubility:	practically insoluble

Solubility in other solvents

not determined	
Partition coefficient n-octanol/water:	not determined
Viscosity / kinematic:	not determined
Relative vapour density:	not determined

9.2. Other information

Data apply to the technically active substance. Relative density, Colour, Odour, Viscosity, pH

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Do not expose to temperatures above 50 °C. Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Take action to prevent static discharges.

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 8 of 15

10.5. Incompatible materials

Oxidizing agent, Pyrophoric or self-heating substances.

10.6. Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic, Carbon monoxide, Carbon dioxide (CO2), aldehydes, carbon black.

Further information

Do not mix with other chemicals.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-49-0	Hydrocabons, C7, n-alkanes, iso-alkanes, cyclics				
	oral	LD50 5500 mg/kg	Rat	Manufacturer	
	dermal	LD50 > 2800 - 3100 mg/kg	Rat	Manufacturer	
	inhalation (4 h) vapour	LC50 > 23,3 mg/l	Rat	Manufacturer	OECD 403
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	
	dermal	LD50 > 2800 - 3100 mg/kg	Rat	Manufacturer	
	inhalation (4 h) vapour	LC50 > 25,2 mg/l	Rat	Manufacturer	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 5280 mg/kg	Rat	Manufacturer	
	dermal	LD50 > 2000 mg/kg	Rabbit	Manufacturer	
	inhalation (4 h) vapour	LC50 47,5 mg/l	Rat	Manufacturer	
106-97-8	butane				
	inhalation (4 h) gas	LC50 658 ppm	Rat	GESTIS	

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolenschutz

Revision date: 13.09.2024

Page 9 of 15

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.

No indication of human carcinogenicity.

No indications of human germ cell mutagenicity exist.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

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

Aspiration hazard

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

Specific effects in experiment on an animal

No information available.

11.2. Information on other hazards**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 10 of 15

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
75-28-5	isobutane					
	Acute fish toxicity	LC50 mg/l	91,42	96 h	Piscis	United States Environmental Protection A The Ecosar class program has been develo
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	Algae	US EPA OPPT Risk Assessment Division200 Calculation using ECOSAR Program v1.00.
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia sp.	US EPA OPPT Risk Assessment Division200 Calculation using ECOSAR Program v1.00.
64742-49-0	Hydrocabons, C7, n-alkanes, iso-alkanes, cyclics					
	Acute fish toxicity	LL50 mg/l	> 13,4	96 h	Oncorhynchus mykiss (Rainbow trout)	Manufacturer (Study report(1995)) OECD 201
	Acute algae toxicity	ErC50	12 mg/l	72 h	Pseudokirchneriella subcapitata	Manufacturer SIDS IARF SIAM
	Acute crustacea toxicity	EC50 mg/l	> 1 - 10	48 h	Daphnia magna (Big water flea)	Manufacturer
	Crustacea toxicity	NOEC	1 mg/l	21 d	Daphnia magna (Big water flea)	Manufacturer SIDS IARF SIAM
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane					
	Acute fish toxicity	LC50 mg/l	> 1 - 10	96 h	Pimephales promelas (fathead minnow)	Manufacturer
	Acute algae toxicity	ErC50 mg/l	10 - 30	72 h	Pseudokirchneriella subcapitata	Manufacturer OECD 201
	Acute crustacea toxicity	EC50 mg/l	> 1 - 10	48 h	Daphnia magna	Manufacturer
74-98-6	propane					
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Piscis	United States Environmental Protection A The Ecosar class program has been develo
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	Algae	US EPA OPPT Risk Assessment Division200 Calculation using ECOSAR Program v1.00.
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia sp.	US EPA OPPT Risk Assessment Division200 Calculation using ECOSAR Program v1.00.
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	9640	96 h	Pimephales promelas (fathead minnow) Daphnia magna (Big water flea)	Manufacturer
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Desmodesmus subspicatus	Manufacturer
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna (Big water flea)	Manufacturer
106-97-8	butane					
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Piscis	United States Environmental Protection A The Ecosar class program has been develo
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	Algae	US EPA OPPT Risk Assessment Division200 Calculation using ECOSAR Program v1.00.

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 11 of 15

	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia sp.	US EPA OPPT Risk Assessment Division200	Calculation using ECOSAR Program v1.00.
--	--------------------------	--------------	-------	------	-------------	---	---

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane			
	OECD 301F	98 %	28	Manufacturer
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
75-28-5	isobutane	1,09
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, < 5% hexane	3,4 - 5,2
74-98-6	propane	1,09
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	0,05
106-97-8	butane	1,09

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolenschutz

Revision date: 13.09.2024


Page 12 of 15

Contaminated packaging

Dispose of waste according to applicable legislation.


SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0
Transport category: 2
Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1


Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
Hazard label: 2.1


Marine pollutant: -
Special Provisions: 63 190 277 327 344 381 959
Limited quantity: 1000 mL
Excepted quantity: E0
EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS, FLAMMABLE

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolyschutz

Revision date: 13.09.2024

Page 13 of 15

14.3. Transport hazard class(es):

2.1

14.4. Packing group:

-

Hazard label:

2.1



Special Provisions:

A145 A167 A802

Limited quantity Passenger:

30 kg G

Passenger LQ:

Y203

Excepted quantity:

E0

IATA-packing instructions - Passenger:

203

IATA-max. quantity - Passenger:

75 kg

IATA-packing instructions - Cargo:

203

IATA-max. quantity - Cargo:

150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

No

14.6. Special precautions for user

Warning: Flammable gases

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****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions:

No information available.

Directive 2004/42/EC on VOC in paints and varnishes:

No information available.

Information according to Directive 2012/18/EU (SEVESO III):

P3a FLAMMABLE AEROSOLS

Additional information

Aerosol directive (75/324/EEC).

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

2 - obviously hazardous to water

Additional information

Observe in addition any national regulations!

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Abbreviations and acronyms**

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging

EU: European Union

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

REACH: Registration, Evaluation and Authorization of Chemicals

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 14 of 15

UN: United Nations
 PBT: Persistent, Bioaccumulative, Toxic
 SVHC: Substance of Very High Concern
 vPvB: very Persistent, very Bioaccumulative
 ATE: Acute Toxicity Estimates
 BCF: Bio-Concentration Factor
 DMEL: Derived Minimal Effect Level
 DNEL: Derived No Effect Level
 PNEC: Predicted No Effect Concentration
 VOC: Volatile Organic Compounds
 DIN: Deutsches Institut für Normung e.V. (German Institute for Standardization)
 EN: European Standard
 ISO: International Organization for Standardization
 IUCLID: International Uniform Chemical Information Database
 LC50: Lethal Concentration, 50 %
 LD50: Lethal Dose, 50 %
 LL50: Lethal Loading, 50 %
 OECD: Organisation for Economic Co-operation and Development
 EC50: Effective Concentration 50 %
 M-Faktor: Multiplication Factor
 EL50: Effect Loading, 50 %
 ErC50: Effective Concentration 50 %, growth rate
 M-Faktor: Multiplication Factor
 NOEC: No Observed Effect Concentration
 ADN: Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
 ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 DGR: Dangerous Goods Regulations
 EmS: Emergency Schedules
 IATA: International Air Transport Association
 IBC: Intermediate Bulk Container
 ICAO: International Civil Aviation Organization
 IE: Industrial Emissions
 IMDG: International Maritime Code for Dangerous Goods
 LQ: Limited Quantity
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 MFAG: Medical First Aid Guide
 RID: Regulations concerning the International carriage of Dangerous goods by rail
 TI: Technical Instructions

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Skin Irrit. 2; H315	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Safety Data Sheet

according to UK REACH Regulation

JMC Batteriepolerschutz

Revision date: 13.09.2024

Page 15 of 15

H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)