

according to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

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

**Product identifier** 

PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml Trade name

Unique formula identifier (UFI) SP50-K0CT-100F-GG6R

Article number 4000 354075

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

Relevant identified uses General use

Paint, coating and lacquer

1.3 Details of the supplier of the safety data sheet

> NORDWEST Handel AG Robert-Schuman-Straße 17 44263 Dortmund Germany

Telephone: +49 (0)231 2222-3001 Telefax: +49 (0)231 2222-3099 e-mail: sdb@nordwest.com Website: www.nordwest.com

e-mail (competent person) sdb@nordwest.com

1.4 **Emergency telephone number** 

+43 (0)1 406 43 43 Gemeinsamen Giftinformationszentrum (GGIZ) der+49-361-730730 Laender Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thueringen c/o HELIOS Klinikum Erfurt Austria: Germany:

Klinikum Erfurt

Switzerland: +145, 24h oder +41 44 251 51 51 Tox Info Suisse

Poison centre								
Country	Name	Postal code/city	Telephone					
Austria	Vergiftungsinformationszentrale (VIZ)		+43 (0)1 406 43 43					
Germany	Gemeinsamen Giftinformationszentrum (GGIZ) der Laender Mecklenburg-Vorpommern, Sach- sen, Sachsen-Anhalt und Thueringen c/o HE- LIOS Klinikum Erfurt	99089 Erfurt	+49-361-730730					
Switzerland	Tox Info Suisse		+145, 24h oder +41 44 251 51 51					

# **SECTION 2: Hazards identification**

# Classification of the substance or mixture

### Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
2.3	aerosols	1	Aerosol 1	H222,H229
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	3	STOT SE 3	H336
4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 **Label elements** 

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

Signal word **Pictograms** 

GHS02, GHS07



Germany: en Page: 1 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Replaces version of: 2023-11-13 (GHS 14) Revision: 2024-02-22

**Hazard statements** 

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated. H319 Causes serious eye irritatión.

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

**Precautionary statements** 

If medical advice is needed, have product container or label at hand.

P101 P102 P210 P211 Keep out of reach of children.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.

P251

Use only outdoors or in a well-ventilated area.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P410+P412

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental hazard information** 

Repeated exposure may cause skin dryness or cracking.

Hazardous ingredients for labelling ethyl acetate, acetone, Hydrocarbons, C9, aromatics

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

**Endocrine disrupting properties** 

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0.1\%$ .

# SECTION 3: Composition/information on ingredients

### **Substances**

Not relevant (mixture)

#### 3.2 **Mixtures**

### **Description of the mixture**

Identifier	Name of substance	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits
CAS No 106-97-8	butane	25 - < 50	Flam. Gas 1B / H221 Press. Gas C / H280		C GHS-HC U(b)	
EC No 203-448-7					0(6)	
Index No 601-004-00-0						
REACH Reg. No 01-2119474691- 32-xxxx						
CAS No 74-98-6	propane	10 - < 25	Flam. Gas 1A / H220 Press. Gas L / H280		GHS-HC U(c)	
EC No 200-827-9						
Index No 601-003-00-5						
REACH Reg. No 01-2119486944- 21						
CAS No 141-78-6	ethyl acetate	10 - < 25	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336		GHS-HC IOELV	
EC No 205-500-4			310132371330			
Index No 607-022-00-5						
REACH Reg. No 01-2119475103- 46-xxxx						

Page: 2 / 17 Germany: en



according to Regulation (EC) No. 1907/2006 (REACH)

# 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

Identifier	Name of substance	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits
CAS No 67-64-1	acetone	10 - < 25	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336		IOELV	
EC No 200-662-2			STOT SE 3 / H336			
Index No 606-001-00-8						
REACH Reg. No 01-2119471330- 49-xxxx						
CAS No 1330-20-7	xylene	1-<5	Flam. Liq. 3 / H226 Acute Tox. 4 / H312 Acute Tox. 4 / H332		C GHS-HC IOELV	
EC No 215-535-7			Skin Irrit. 2 / H315 Asp. Tox. 1 / H304		IOELV	
Index No 601-022-00-9						
REACH Reg. No 01-2119488216- 32-xxxx						
CAS No 64742-95-6	Hydrocarbons, C9, aromatics	1-<5	Flam. Liq. 3 / H226 STOT SE 3 / H335 STOT SE 3 / H336		P(b)	
EC No 265-199-0			Asp. Tox. 1 / H304 Aguatic Acute 1 / H400			
Index No 649-356-00-4			Aquatic Chronic 2 / H411			
REACH Reg. No 01-2119455851- 35-xxxx						
CAS No 7429-90-5	Aluminium powder (Stabilized)	1-<5	Flam. Sol. 1 / H228	(M)	Т	
EC No 231-072-3						
Index No 013-001-00-6						
REACH Reg. No 01-2119529243- 45-xxxx						
CAS No 7440-66-6	zinc	1-<5	Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	<b>*</b>	GHS-HC	
EC No 231-175-3						
Index No 030-001-00-1						
REACH Reg. No 01-2119467174- 37-xxxx						
EC No 918-481-9	Kohlenwasserstoffe, C10-C13, n-Alkane,	1-<5	Asp. Tox. 1 / H304			
REACH Reg. No 01-2119457273- 39-xxxx	Isoalkane, Cyc- loalkane, <2% Aro- maten					
CAS No 64742-48-9	Naphtha (petroleum), hydro- treated heavy	1-<5	Asp. Tox. 1 / H304	(2)		
EC No 265-150-3	irealed neavy					
Index No 649-327-00-6						
REACH Reg. No 01-2119457273- 39						

Notes

Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Germany: en Page: 3 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Replaces version of: 2023-11-13 (GHS 14) Revision: 2024-02-22

Notes

GHS-Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/

HC: IOELV: Substance with a community indicative occupational exposure limit value

The classification as a carcinogen or mutagen is not required. The substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements P(b):

(P102-)P260-P262- P301 + P310-P331 shall apply

This substance may be marketed in a form which does not have the physical hazards as indicated by The classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this T: Regulation show that the specific form of substance marketed does not exhibit this physical property or these physic-

al hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet. The allocation to the group 'compressed gas' is based on the physical state in which the gas is packaged The allocation to the group 'liquefied gas' is based on the physical state in which the gas is packaged U(b): U(c):

Hazardous ingredients, Specific Conc. Limits, M-factors, ATE							
Name of substance Specific Conc. Limits M-Factors ATE Exposure route							
xylene	-	-	1,100 <sup>mg</sup> / <sub>kg</sub> 11 <sup>mg</sup> / <sub>l</sub> /4h	dermal inhalation: vapour			

#### Remarks

For full text of abbreviations: see SECTION 16.

### **SECTION 4: First aid measures**

### **Description of first aid measures**

### **General notes**

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

# Following skin contact

Wash with plenty of soap and water.

### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

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

# **SECTION 5: Firefighting measures**

## **Extinguishing media**

# Suitable extinguishing media

Water spray, D-Powder

## Unsuitable extinguishing media

Water iet

#### 5.2 Special hazards arising from the substance or mixture

## **Hazardous combustion products**

Carbon monoxide (CO), Carbon dioxide (CO2)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Germany: en Page: 4 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

### For non-emergency personnel

Remove persons to safety.

### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

### 6.3 Methods and material for containment and cleaning up

### Advice on how to contain a spill

Covering of drains

### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

### Recommendations

### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

# 7.2 Conditions for safe storage, including any incompatibilities

### Managing of associated risks

# **Flammability hazards**

Do not spray on an open flame or other ignition source. Protect from sunlight.

Occupational exposure limit values (Workplace Exposure Limits)

# **Packaging compatibilities**

Keep only in original container.

## Storage class (LGK) TRGS 510

LGK 2 B (aerosol dispensers and lighters)

### 7.3 Specific end use(s)

See section 16 for a general overview.

# SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ceiling-C [ppm] Ceiling-C [mg/ m³] Coun-try Name of agent **CAS No** Iden-tifier Source TWA STEL STEL Nota-[mg/ m³] [mg/ m³] [ppm] [ppm] tion TRGS 900 DE butane 106-97-8 AGW 1,000 2,400 4,000 9,600 DE 1330-20-7 220 100 440 Н DFG xylene, mixture of MAK 50 isomers xylene, mixture of isomers TRGS DF 1330-20-7 AGW 50 220 100 440 Н 400 DFG DE 141-78-6 MAK 200 750 1.500 ethyl acetate DE 141-78-6 400 1.460 ethyl acetate AGW 200 730 Υ **TRGS** 900 DE Naphtha (petro-leum), hydro-treated heavy 64742-48-MAK 50 300 100 600 DFG DE acetone 67-64-1 AGW 500 1.200 1.000 2.400 TRGS

900

Germany: en Page: 5 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Replaces version of: 2023-11-13 (GHS 14) Revision: 2024-02-22

Occupational exposure limit values (Workplace Exposure Limits)

_	<u> </u>										
Coun- try	Name of agent	CAS No	Iden- tifier	TWA [ppm]	TWA [mg/ m³]	STEL [ppm]	STEL [mg/ m³]	Ceiling- C [ppm]	Ceiling- C [mg/ m³]	Nota- tion	Source
DE	propane	74-98-6	AGW	1,000	1,800	4,000	7,200				TRGS 900
DE	aluminium	7429-90-5	MAK		4					dust, i	DFG
DE	aluminium	7429-90-5	MAK		1.5					r	DFG
DE	zinc	7440-66-6	MAK		2		4			i	DFG
DE	zinc	7440-66-6	MAK		0.1		0.4			r	DFG
EU	xylene	1330-20-7	IOELV	50	221	100	442			pure, H	2000/ 39/EC
EU	ethyl acetate	141-78-6	IOELV	200	734	400	1,468				2017/ 164/EU
EU	acetone	67-64-1	IOELV	500	1,210						2000/ 39/EC

Notation

ceiling value is a limit value above which exposure should not occur as dust Ceiling-C

dust

H absorbed through the skin

inhalable fraction pure pure substance respirable fraction

STEL

TWA

respirable fraction short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified) time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified) a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological limit value (BGW) are adhered to

Biologica	Biological limit values								
Country	Name of agent	Parameter	Notation	Identifier	Value	Source			
DE	xylene, mixture of isomers	methylhippuric acids		BAT	2,000 mg/l	DFG			
DE	xylene, mixture of isomers	methylhippuric acids		BLV	2,000 mg/l	TRGS 903			
DE	Aceton	Aceton		BAT	50 mg/l	DFG			
DE	Aceton	Aceton		BAT (BAR)	2.5 mg/l	DFG			
DE	acetone	acetone		BLV	50 mg/l	TRGS 903			
DE	aluminium	aluminium	crea	BAT	50 μg/g	DFG			
DE	aluminium	aluminium	crea	BAT (BAR)	15 μg/g	DFG			
DE	aluminium	aluminium	crea	BLV	50 μg/l	TRGS 903			

Notation

crea creatinine

Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
ethyl acetate	141-78-6	DNEL	1,468 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
ethyl acetate	141-78-6	DNEL	1,468 mg/m³	human, inhalatory	worker (industry)	acute - systemic ef- fects
ethyl acetate	141-78-6	DNEL	734 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
ethyl acetate	141-78-6	DNEL	63 mg/kg	human, dermal	worker (industry)	chronic - systemic effects

Page: 6 / 17 Germany: en



according to Regulation (EC) No. 1907/2006 (REACH)

# 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Replaces version of: 2023-11-13 (GHS 14)

Revision: 2024-02-22

Relevant DNELs of c	omponents					
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
ethyl acetate	141-78-6	DNEL	734 mg/m³	human, inhalatory	worker (industry)	chronic - systemic ef fects
acetone	67-64-1	DNEL	1,210 mg/m³	human, inhalatory	worker (industry)	chronic - systemic ef fects
acetone	67-64-1	DNEL	2,420 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
acetone	67-64-1	DNEL	186 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic ef fects
xylene	1330-20-7	DNEL	221 mg/m³	human, inhalatory	worker (industry)	chronic - systemic ef fects
xylene	1330-20-7	DNEL	442 mg/m³	human, inhalatory	worker (industry)	acute - systemic ef- fects
xylene	1330-20-7	DNEL	221 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
xylene	1330-20-7	DNEL	442 mg/m³	human, inhalatory	worker (industry)	acute - local effects
xylene	1330-20-7	DNEL	212 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic ef fects
Hydrocarbons, C9, aromatics	64742-95-6	DNEL	25 mg/kg	human, dermal	worker (industry)	chronic - systemic ef fects
Hydrocarbons, C9, aromatics	64742-95-6	DNEL	150 mg/m³	human, inhalatory	worker (industry)	chronic - systemic ef fects
zinc	7440-66-6	DNEL	83 mg/kg	human, dermal	worker (industry)	chronic - systemic ef fects
zinc	7440-66-6	DNEL	5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic et fects

# Relevant PNECs of components

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
ethyl acetate	141-78-6	PNEC	0.24 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single in- stance)
ethyl acetate	141-78-6	PNEC	0.024 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single in- stance)
ethyl acetate	141-78-6	PNEC	650 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)
ethyl acetate	141-78-6	PNEC	1.15 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single in- stance)
ethyl acetate	141-78-6	PNEC	0.115 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single in- stance)
ethyl acetate	141-78-6	PNEC	0.148 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single in- stance)
ethyl acetate	141-78-6	PNEC	1.65 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	water	intermittent release
acetone	67-64-1	PNEC	21 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	water	intermittent release
acetone	67-64-1	PNEC	10.6 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single in- stance)
acetone	67-64-1	PNEC	1.06 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single in- stance)
acetone	67-64-1	PNEC	100 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)
acetone	67-64-1	PNEC	30.4 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single in- stance)
acetone	67-64-1	PNEC	3.04 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single instance)

Page: 7 / 17 Germany: en



according to Regulation (EC) No. 1907/2006 (REACH)

Revision: 2024-02-22

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Replaces version of: 2023-11-13 (GHS 14)

Relevant PNECs of o	Relevant PNECs of components								
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time			
acetone	67-64-1	PNEC	29.5 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single in- stance)			
xylene	1330-20-7	PNEC	0.327 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	water	intermittent release			
xylene	1330-20-7	PNEC	0.327 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single in- stance)			
xylene	1330-20-7	PNEC	0.327 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single in- stance)			
xylene	1330-20-7	PNEC	6.58 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)			
xylene	1330-20-7	PNEC	12.46 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single in- stance)			
xylene	1330-20-7	PNEC	12.46 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single in- stance)			
xylene	1330-20-7	PNEC	2.31 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single in- stance)			
zinc	7440-66-6	PNEC	20.6 <sup>µg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single in- stance)			
zinc	7440-66-6	PNEC	6.1 <sup>µg</sup> / <sub>I</sub>	aquatic organisms	marine water	short-term (single in- stance)			
zinc	7440-66-6	PNEC	100 <sup>µg</sup> / <sub>I</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)			
zinc	7440-66-6	PNEC	117.8 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single in- stance)			
zinc	7440-66-6	PNEC	56.5 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single in- stance)			
zinc	7440-66-6	PNEC	35.6 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single in- stance)			

#### 8.2 **Exposure controls**

# **Appropriate engineering controls**

General ventilation.

# Individual protection measures (personal protective equipment)







Personal protective equipment shall be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

## Eye/face protection

Use protective eyewear to guard against splash of liquids.

# Skin protection

# **Hand protection**

Wear protective gloves. (Splash protection)

# Type of material

NR: natural rubber, latex, FKM: fluoro-elastomer

### Breakthrough times of the glove material

>480 minutes (permeation: level 6)

### Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

## **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.
Full face mask/half mask/quarter mask (EN 136/140).
Type: AX-P2 (gas filters and combined filters against low-boiling point organic compounds and particles, colour code: Brown/White).

Germany: en Page: 8 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

# **Environmental exposure controls**

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

# **SECTION 9: Physical and chemical properties**

### Information on basic physical and chemical properties

**Physical state** aerosol (spray aerosol)

Colour silver grey Odour characteristic Melting point/freezing point not determined Boiling point or initial boiling point and boiling range -161.5 °C at 1,013 hPa

**Flammability** flammable aerosol in accordance with GHS criteria

Lower and upper explosion limit 0.6 vol% - 15 vol% Flash point -87 °C at 1,013 hPa

**Auto-ignition temperature** >200 °C (auto-ignition temperature (liquids and gases))

**Decomposition temperature** not relevant pH (value) not determined **Kinematic viscosity** not relevant Solubility(ies) not determined

**Partition coefficient** 

Partition coefficient n-octanol/water

(log value)

this information is not available

4,200 hPa at 20 °C Vapour pressure

Density and/or relative density

Density 0.7202 g/ml (calculated value)

Relative vapour density information on this property is not available

9.2 Other information

Information with regard to physical there is no additional information

hazard classes

Other safety characteristics

Temperature class (EU, acc. to ATEX) T3 (maximum permissible surface temperature on the equipment: 200°C)

# **SECTION 10: Stability and reactivity**

### Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

Do not spray on an open flame or other ignition source. Keep away from heat.

### Hints to prevent fire or explosion

Protect from sunlight.

#### **Incompatible materials** 10.5

Oxidisers

#### 10.6 **Hazardous decomposition products**

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Házardous combustion products: see section 5.

Page: 9 / 17 Germany: en



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

# **SECTION 11: Toxicological information**

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

Test data are not available for the complete mixture.

### **Classification procedure**

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### Classification according to GHS (1272/2008/EC, CLP)

### **Acute toxicity**

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components							
Name of substance CAS No Exposure route ATE							
xylene	1330-20-7	dermal	1,100 <sup>mg</sup> / <sub>kg</sub>				
xylene	1330-20-7	inhalation: vapour	11 <sup>mg</sup> / <sub>I</sub> /4h				

### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

### Serious eye damage/eye irritation

Causes serious eye irritation.

### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

# Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### **Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

# Other information

Repeated exposure may cause skin dryness or cracking.

### 11.2 Information on other hazards

There is no additional information.

## **SECTION 12: Ecological information**

# 12.1 Toxicity

Acc. to 1272/2008/EC: Harmful to aquatic life with long lasting effects. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 2, obviously hazardous to water (Germany)

### Aquatic toxicity (chronic) of components

Name of substance CAS No		Endpoint Value		Species	Exposure time	
ethyl acetate	141-78-6	EC50	2,306 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	24 h	
acetone	67-64-1	EC50	61.15 <sup>g</sup> / <sub>l</sub>	microorganisms	30 min	
xylene	1330-20-7	EL50	2.9 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	21 d	
xylene	1330-20-7	ErC50	4.36 <sup>mg</sup> / <sub>I</sub>	algae	73 h	
xylene	1330-20-7	EC50	2.2 <sup>mg</sup> / <sub>l</sub>	algae	73 h	
Hydrocarbons, C9, aromatics	64742-95-6	EC50	>99 <sup>mg</sup> / <sub>l</sub>	microorganisms	10 min	

Germany: en Page: 10 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

### 12.2 Persistence and degradability

#### Degradability of components Degradation rate **CAS No** Time Method Name of sub-**Process** Source ethyl acetate 141-78-6 oxygen depletion 62 % 5 d acetone 67-64-1 carbon dioxide 90.9 % 28 d **ECHA** generation 1330-20-7 oxygen depletion 28 d **ECHA** 98 % xylene Hydrocarbons, C9, aromatics 64742-95-6 30.9 % 2 d **ECHA** oxvaen depletion Naphtha (petro-64742-48-9 oxygen depletion 10 % 5 d **ECHA** leum), hydro-treated heavy

### 12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components					
Name of substance	CAS No	BCF	Log KOW	BOD5/COD	
butane	106-97-8		1.09 (pH value: 7, 20 °C)		
propane	74-98-6		1.09 (pH value: 7, 20 °C)		
ethyl acetate	141-78-6	30	0.68 (pH value: 7, 25 °C)		
acetone	67-64-1		-0.23	963.5	
xylene	1330-20-7	>5.5 - <12.2	3.2 (pH value: 7, 20 °C)		

# 12.4 Mobility in soil

Data are not available.

## 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0.1\%$ .

## 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0.1\%$ .

### 12.7 Other adverse effects

Data are not available.

# **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

## Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

## Relevant provisions relating to waste

### List of wastes, (Recommendations)

# Product

08 01 11\* Waste paint and varnish containing organic solvents or other hazardous substances

### **Product residues**

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

### **Packagings**

15 01 04 Metallic packaging

### **Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

Germany: en Page: 11 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

# SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN UN 1950
IMDG-Code UN 1950
ICAO-TI UN 1950

14.2 UN proper shipping name

ADR/RID/ADN AEROSOLS
IMDG-Code AEROSOLS

ICAO-TI Aerosols, flammable

14.3 Transport hazard class(es)

 ADR/RID/ADN
 2 (2.1)

 IMDG-Code
 2.1

 ICAO-TI
 2.1

**14.4** Packing group not assigned

**14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

### Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information

Classification code 5F Danger label(s) 2.1



Special provisions (SP) 190, 327, 344, 625

Excepted quantities (EQ) E0
Limited quantities (LQ) 1 L
Transport category (TC) 2
Tunnel restriction code (TRC) D

International Maritime Dangerous Goods Code (IMDG) Additional information

Marine pollutant - Danger label(s) 2.1



Special provisions (SP) 63, 190, 277, 327, 344, 381, 959

Excepted quantities (EQ) E0
Limited quantities (LQ) 1 L
EmS F-D, S-U
Stowage category -

International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Danger label(s) 2.1



Special provisions (SP) A145, A167 Excepted quantities (EQ) E0 Limited quantities (LQ) 30 kg

Germany: en Page: 12 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

# **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Deco-Paint Directive (2004/42/EC)

VOC content	653.8 <sup>g</sup> / <sub>l</sub>			
Maximum VOC conten	t limit	 		
Product category	Product subcategory	Coating	Туре	VOC g/I
vehicle refinishing	special finishes	all types		840

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

ollutant release and transfer registers (PRTR)				
Name of substance	CAS No	Remarks	Threshold for releases to air (kg/year)	
xylene	1330-20-7	(17) (11)		
zinc	7440-66-6	(8)	200	

products

- Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, (11)
- (17)
- xylenes) is exceeded
  Total mass of xylene (ortho-xylene, meta-xylene, para-xylene)
  All metals shall be reported as the total mass of the element in all chemical forms present in the release

### Water Framework Directive (WFD)

List of pollutants (WFD)				
Name of substance	CAS No	Listed in	Remarks	
zinc		a)		
Aluminium powder (Stabilized)		a)		
Naphtha (petroleum), hydrotreated heavy		a)		

### Legend

Indicative list of the main pollutants

# Regulation on the marketing and use of explosives precursors

This product is regulated by Regulation (EU) No 2019/1148: All suspicious transactions as well as the loss and theft of significant quantities must be reported to the competent authority.

Explosives precursors which are subject to restrictions						
Name of substance	CAS No	Type of registration	Remarks	Limit value	Upper limit value for the pur- pose of li- censing un- der Article 5(3)	
acetone	67-64-1	Annex II				
Aluminium powder (Stabilized)	7429-90-5	Annex II	powd d < 200 μm > 70%			

# Legend

> 70% As a substance or in mixtures containing 70 % or more, by weight, of aluminium and/or magnesium. Annex II Substances on their own or in mixtures or in substances for which suspicious transactions shall be reported With a particle size less than 200  $\mu m$ . d < 200 μm

powd Powder

Page: 13 / 17 Germany: en



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

## Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National regulations (Germany)

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water

2 obviously hazardous to water

hazard class)

## Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentra- tion	Notation
5.2.5	organic substances		≥ 25 wt%	0.5 <sup>kg</sup> / <sub>h</sub>	50 <sup>mg</sup> / <sub>m³</sub>	3)

### Notation

### **National inventories**

Country	Inventory	Status
EU	REACH Reg.	not all ingredients are listed

### Legend

**REACH** Reg. REACH registered substances

# 15.2 Chemical safety assessment

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

# **SECTION 16: Other information**

# Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
2.1		Classification according to Regulation (EC) No 1272/2008 (CLP): change in the listing (table)	yes
2.1	The most important adverse physicochemical, human health and environmental effects: In contact with water releases flammable gases which may ignite spontaneously. Spillage and fire water can cause pollution of watercourses.	The most important adverse physicochemical, human health and environmental effects: Spillage and fire water can cause pollution of watercourses.	yes
2.2		Hazard statements: change in the listing (table)	yes
2.2		Precautionary statements: change in the listing (table)	yes
2.3	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.	yes
2.3	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$ .	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Hazardous ingredients, Specific Conc. Limits, M- factors, ATE: change in the listing (table)	yes
3.2		Remarks: For full text of abbreviations: see SECTION 16.	yes
5.1	Suitable extinguishing media: D-Powder, Dry sand	Suitable extinguishing media: Water spray, D-Powder	yes

Germany: en Page: 14 / 17

<sup>3)</sup> a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)



according to Regulation (EC) No. 1907/2006 (REACH)

Revision: 2024-02-22

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Replaces version of: 2023-11-13 (GHS 14)

> Former entry (text/value) Section Actual entry (text/value) Safetyrelevant 5.2 Special hazards arising from the substance or Special hazards arising from the substance or ves Product may release hydrogen gas. Increased storage temperatures will accelerate this pro-cess. Water-reactive (in contact with water releases flammable gases). 7.2 Incompatible substances or mixtures: yes Do not allow contact with water. 7.2 Evaporative conditions: yes Keep container tightly closed and in a well-ventilated place. Occupational exposure limit values (Workplace Exposure Limits): 8.1 yes change in the listing (table) 8.1 Biological limit values: change in the listing (table) yes 8.1 Relevant DNELs of components: yes change in the listing (table) Relevant PNECs of components: change in the listing (table) 8.1 yes 9.1 Flammability: Flammability: yes flammable aerosol in accordance with GHS criflammable aerosol in accordance with GHS crimixture which, in contact with water, emits flammable gases (in accordance with GHS criteria) Reactivity: Reactivity: 10.1 yes Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition. Reactivity with water. Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition. Possibility of hazardous reactions: Material reacts vigorously with water emitting flammable gases. Possibility of hazardous reactions: No known hazardous reactions. 10.3 yes Incompatible materials: 10.5 Incompatible materials: yes Water, Oxidisers yes 10.5 Release of flammable materials with: Water Degradability of components: change in the listing (table) 12.2 yes Bioaccumulative potential of components: change in the listing (table) 12.3 yes 12.5 Results of PBT and vPvB assessment: Results of PBT and vPvB assessment: yes According to the results of its assessment, this According to the results of its assessment, this substance is not a PBT or a vPvB. Does not consubstance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration tain a PBT-/vPvB-substance at a concentration of  $\geq 0.1\%$ . 12.6 Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in Endocrine disrupting properties: yes Does not contain an endocrine disruptor (ED) at a concentration of  $\geq$  0,1%. a concentration of  $\geq$  0,1%. 16 Abbreviations and acronyms: yes change in the listing (table) 16 List of relevant phrases (code and full text as yes stated in section 2 and 3): change in the listing (table)

Germany: en Page: 15 / 17



according to Regulation (EC) No. 1907/2006 (REACH)

### 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

### Abbreviations and acronyms

Abbr. Descriptions of used abbreviations.

Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC. Commission Directive establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU. 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). Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways). 2000/39/FC 2017/164/EU

Acute Tox. ADN.

ADR

Accord relating at transport international des marchandises dangereuses par route (Agreement concerning the International Gous Goods by Road).

Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN).

Workplace exposure limit.

Hazardous to the aquatic environment - acute hazard.

Hazardous to the aquatic environment - chronic hazard.

ADR/RID/ADN.

ADR/RID/ADN.
AGW.
Aquatic Acute.
Aquatic Chronic.
Asp. Tox.
ATE.
BCF.
BOD. Aspiration hazard.

CAS. Ceiling-C. CLP. COD. DFG.

Aspiration hazard.
Acute Toxicity Estimate.
Bioconcentration factor.
Biochemical Oxygen Demand.
Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
Ceiling value.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Chemical vayage demand.

Chemical oxygen demand.
Deutsche Forschungsgemeinschaft MAK-und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH,

Weinheim

DGR

Weinheim.

Dangerous Goods Regulations (see IATA/DGR).

Derived No-Effect Level.

Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.

The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).

Endocrine disruptor.

European Inventory of Existing Commercial Chemical Substances.

Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms.

European List of Notified Chemical Substances.

Emergency Schedule.

EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control. EC No.

FINECS

EL50. ELINCS.

EmS. ErC50.

lative to the control

Eve Dam.

Eye Dam. Eye Irrit. Flam. Gas. Flam. Liq. Flam. Sol. GHS.

Tative to the Control.

Seriously damaging to the eye.

Irritant to the eye.

Flammable gas.

Flammable liquid.

Flammable solid.

"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.

IATA.
IATA/DGR.
ICAO.
ICAO-TI.
IMDG.
IMDG-Code.

"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.

International Air Transport Association.

Dangerous Goods Regulations (DGR) for the air transport (IATA).

International Civil Aviation Organization.

Technical instructions for the safe transport of dangerous goods by air.

International Maritime Dangerous Goods Code.

International Maritime Dangerous Goods Code.

International Maritime Dangerous Goods Code.

Indicative occupational exposure limit value.

Laparklass of transport data served into to TBCS 510. Gormany) Index No. IOELV.

LOELV. LGK. Log KOW. NLP. PBT. PNEC.

Ppm. Press. Gas. REACH. RID.

Indicative occupational exposure limit value.

Lagerklasse (storage class according to TRGS 510, Germany).

n-Octanol/water.

No-Longer Polymer.

Persistent, Bioaccumulative and Toxic.

Peredicted No-Effect Concentration.

Parts per million.

Gas under pressure.

Registration, Evaluation, Authorisation and Restriction of Chemicals.

Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).

Corrosive to skin.

Irritant to skin.

Short-term exposure limit.

Specific target organ toxicity - single exposure.

Skin Corr. Skin Irrit. STEL. STOT SE.

Short-term exposure limit.
Specific target organ toxicity - single exposure.
Substance of Very High Concern.
Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
Arbeitsplatzgrenzwerte (TRGS 900),
Biologische Grenzwerte (TRGS 903).
Time-weighted average.
Volatile Organic Compounds.
Very Persistent and very Bioaccumulative.

SVHC. TRGS. TRGS 900. TRGS 903. TWA. VOC. VPvB.

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

# Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

# List of relevant phrases (code and full text as stated in section 2 and 3)

Extremely flammable gas.
Flammable gas.
Extremely flammable aerosol.
Highly flammable liquid and vapour.
Flammable solid.
Pressurised container: May burst if h H220. H221. H221. H222. H225. H226. H228. H229. H280.

Flammable solid.
Pressurised container: May burst if heated.
Contains gas under pressure; may explode if heated.
May be fatal if swallowed and enters airways.
Harmful in contact with skin.
Causes skin irritation.
Causes serious eye irritation.
Harmful if inhaled.
May cause respiratory irritation. H304 H312

H400

Harmful if inhaled.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects. H410 H412.

Page: 16 / 17 Germany: en



according to Regulation (EC) No. 1907/2006 (REACH)

# 4000 354075 - PROMAT CHEMICALS ALUMINIUM-SPRAY - 400 ml

Version number: GHS 15.0 Revision: 2024-02-22 Replaces version of: 2023-11-13 (GHS 14)

# Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Germany: en Page: 17 / 17