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Safety data sheet according to 1907/2006/EC, Article 31

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Version number 1

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nting date 15.11.	2022	Version number 1	Revision: 15.11.202
SECTION 1.	Identification o	of the substance/mixture and of	f the company/undertaking
1.1 Product ide	ntifier		
Trade name: <u>A</u>	erosol SM 1K Prim	er Shade 4 mittelgrau	
· 1.2 Relevant id		447 s ubstance or mixture and uses advise es: Private households / general public	
	t he substance / the 1 gainst No further rel	nixture: painting evant information available.	
• 1.3 Details of th • Manufacturer / Peter Kwasny (Heilbronner Str D-74831 Gunde	5mbH : 96	fety data sheet	Tal , 0040 (0)6260 05 2
D-74851 Gunae	eisneim		Tel.: 0049-(0)6269-95-20 E-mail: labor@kwasny.dv
Further inform	ation obtainable fro	om: Product safety department	-
2.1 Classification	Hazards identij on of the substance according to Regula		
flame	2		
Aerosol 1		flammable aerosol.	
	H229 Pressuris	ed container: May burst if heated.	
corra	osion		
Eye Dam. 1	H318 Causes se	rious eye damage.	
Skin Irrit. 2	H315 Causes sk	in irritation.	
Skin Sens. 1		e an allergic skin reaction.	
STOT SE 3	H336 May caus	e drowsiness or dizziness.	
Aquatic Chroni	c 3 H412 Harmful t	o aquatic life with long lasting effects	· · · · · · · · · · · · · · · · · · ·
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2.2 Label eleme	nts
Labelling accor	ding to Regulation (EC) No 1272/2008
	lassified and labelled according to the GB CLP regulation.
Hazard pictogra	ums
Ju p	
<u><u><u></u></u></u>	
GHS02 GHS	605 GHS07
Signal word Da	nger
Hazard-determi	ining components of labelling:
butan-1-ol	
acetone	
Epoxy resin with	h an average molecular weight of 700≤1200
propan-1-ol	
Hazard stateme	
	flammable aerosol.
	ed container: May burst if heated.
H315 Causes sk	
	rious eye damage.
	e an allergic skin reaction.
	e drowsiness or dizziness.
	o aquatic life with long lasting effects.
Precautionary s P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
1 210	smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water.
P310	Immediately call a POISON CENTER/doctor.
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses
	present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/regional/national/internation regulations.
Additional info	0
	te ventilation, explosive atmosphere/gas mix may be created.
	dous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
2.3 Other hazar	
	and vPvB assessment

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

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 $\cdot \textit{Description: Mixture of substances listed below with nonhazardous additions.}$

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(Contd. of page 2) · Dangerous components: CAS: 67-64-1 25-<50% acetone EINECS: 200-662-2 🚸 Flam. Liq. 2, H225; 🗘 Eye Irrit. 2, H319; STOT SE 3, Reg.nr.: 01-2119471330-49-xxxx *H*336, EUHÔ66 CAS: 115-10-6 dimethyl ether 10-<25% EINECS: 204-065-8 🕐 Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018 Reg.nr.: 01-2119472128-37-xxxx CAS: 123-86-4 n-butvl acetate 10-<25% EINECS: 204-658-1 🕐 Flam. Liq. 3, H226; 🗘 STOT SE 3, H336, EUH066 Reg.nr.: 01-2119485493-29-xxxx CAS: 74-98-6 5-<10% propane EINECS: 200-827-9 🔅 Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018 Reg.nr.: 01-2119486944-21-xxxx CAS: 71-36-3 butan-1-ol 5-<10% EINECS: 200-751-6 🛞 Flam. Lig. 3, H226; 🏟 Eve Dam. 1, H318; 🕦 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335; STOT SE 3, Reg.nr.: 01-2119484630-38-xxxx H336 CAS: 106-97-8 butane (containing $\leq 0,1$ % butadiene (203-450-8)) 5-<10% EINECS: 203-448-7 🕐 Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018 Reg.nr.: 01-2119474691-32-xxxx CAS: 71-23-8 propan-1-ol *≥*3-<5% *EINECS:* 200-746-9 *Reg.nr.:* 01-2119486761-29-xxxx 4, H302; STOT SE 3, H336 CAS: 1330-20-7 xylene, mixture of isomers 2.5-<5% EINECS: 215-535-7 🚸 Flam. Liq. 3, H226; 🚸 Asp. Tox. 1, H304; 🚺 Acute Tox. Reg.nr.: 01-2119488216-32-xxxx 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 isobutane (containing $\leq 0,1$ % butadiene (203-450-8)) CAS: 75-28-5 2.5-<5% EINECS: 200-857-2 🕐 Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018 Reg.nr.: 01-2119485395-27-xxxx CAS: 25068-38-6 *Epoxy resin with an average molecular weight of* $700 \le 1200$ 1-<2.5% NLP: 500-033-5 () Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, Reg.nr.: No Reach-No. availlable EUH205 CAS: 7779-90-0 trizinc bis(orthophosphate) 1-<2.5% EINECS: 231-944-3 🚯 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Reg.nr.: 01-2119485044-40-xxxx CAS: 108-65-6 2-methoxy-1-methylethyl acetate 1-<2.5% EINECS: 203-603-9 🐵 Flam. Liq. 3, H226 Reg.nr.: 01-2119475791-29-xxxx • Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

• After skin contact: Immediately wash with water and soap and rinse thoroughly.

• After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

• After swallowing: If symptoms persist consult doctor.

• 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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• **4.3 Indication of any immediate medical attention and special treatment needed** *No further relevant information available.*

SECTION 5: Firefighting measures

· 5.1 Extinguishing media -

- · Suitable extinguishing agents: Cool container whit water
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.
- Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Use neutralising agent.
 Dispose contaminated material as waste according to item 13.
 Ensure adequate ventilation.
- 6.4 Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
- Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.
- Information about fire and explosion protection:

Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:
- Observe official regulations on storing packagings with pressurised containers.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- · 7.3 Specific end use(s) No further relevant information available.

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	Control parameters	
· Ingro	edients with limit values that require monitoring at the workplace:	
67-6-	4-1 acetone	
WEL	Short-term value: 3620 mg/m ³ , 1500 ppm	
	Long-term value: 1210 mg/m³, 500 ppm	
	10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m ³ , 500 ppm	
100	Long-term value: 766 mg/m ³ , 400 ppm	
	86-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm	
71.2	<i>Long-term value. 724 mg/m², 150 ppm</i> 6-3 butan-1-ol	
	Short-term value: 154 mg/m ³ , 50 ppm	
WEL	Short-term value: 154 mg/m², 50 ppm Sk	
106-	5^{-7} 97-8 butane (containing $\leq 0,1$ % butadiene (203-450-8))	
	Short-term value: 1810 mg/m ³ , 750 ppm	
	Long-term value: 1450 mg/m ³ , 600 ppm	
	Carc (if more than 0.1% of buta-1.3-diene)	
	3-8 propan-1-ol	
WEL	Short-term value: 625 mg/m ³ , 250 ppm	
	Long-term value: 500 mg/m ³ , 200 ppm	
1220	Sk -20-7 xylene, mixture of isomers	
	Short-term value: 441 mg/m ³ , 100 ppm	
WEL	Long-term value: 220 mg/m ³ , 50 ppm	
	Sk; BMGV	
108-	65-6 2-methoxy-1-methylethyl acetate	
WEL	Short-term value: 548 mg/m³, 100 ppm	
	Long-term value: 274 mg/m^3 , 50 ppm	
	Sk	
-	edients with biological limit values:	
	-20-7 xylene, mixture of isomers	
вмс	W 650 mmol/mol creatinine Medium: urine	
	Sampling time: post shift	
	Parameter: methyl hippuric acid	
· Addi	tional information: The lists valid during the making were used as basis.	
	Exposure controls	
	opriate engineering controls No further data; see item 7.	
· Indiv	idual protection measures, such as personal protective equipment	
	ral protective and hygienic measures:	
	away from foodstuffs, beverages and feed.	
	ediately remove all soiled and contaminated clothing a hands before breaks and at the end of work.	
	d contact with the eyes.	
	d contact with the eyes and skin.	

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· Respiratory protection:



When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

· Hand protection



M2

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- · Material of gloves Nitrile rubber, NBR
- · Penetration time of glove material
- Gloves must be changed after every contamination.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- \cdot For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
- butyl rubber, 0,7mm • **Eye/face protection** Safety glasses



Tightly sealed goggles

SECTION 9: Physical and chemical properties

General Information Physical state	Aerosol		
Colour:	According to product specification		
Odour:	Characteristic		
Odour threshold:	Not determined.		
Melting point/freezing point:	Undetermined.		
Boiling point or initial boiling point and boiling			
range	-44 °C		
Flammability	Not applicable.		
Lower and upper explosion limit	* *		
Lower:	1.2 Vol % (123-86-4 n-butyl acetate)		
Upper:	18.6 Vol % (115-10-6 dimethyl ether)		
Flash point:	<0 °C		
Ignition temperature:	235 °C (115-10-6 dimethyl ether)		
Decomposition temperature:	Not determined.		
pH	Not determined.		
Viscosity:			
Kinematic viscosity	Not determined.		
Dynamic:	Not determined.		
Solubility			
water:	Not miscible or difficult to mix.		
Partition coefficient n-octanol/water (log value)	Not determined.		

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Vapour pressure at 20 °C:	3,400 hPa (115-10-6 dimethyl ether)
Density and/or relative density	
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Aerosol
Important information on protection of heal	th and
environment, and on safety.	
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation o
	explosive air/vapour mixtures are possible.
	Not determined.
Solvent content:	
Organic solvents:	80.5 %
-	With propellant gas. Content given by weight.
VOC (EU)	80.53 %
Solids content:	17.7 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard o	classes
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container
	May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flamm	
gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

 \cdot 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 10,167 mg/kg (rat)

- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye damage.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- · STOT-single exposure May cause drowsiness or dizziness.
- \cdot 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Ikke relevant.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- · Remark: Harmful to fish
- · Additional ecological information:

· General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA

UN1950

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Printing date 15.11.2022 Version number 1 Trade name: Aerosol SM 1K Primer Shade 4 mittelgrau · 14.2 UN proper shipping name · ADR 1950 AEROSOLS AEROSOLS · IMDG AEROSOLS, flammable · IATA · 14.3 Transport hazard class(es) · ADR · Class 2 5F Gases. · Label 2.1 · IMDG, IATA 2.1 Gases. · Class · Label 2.1 · 14.4 Packing group · ADR, IMDG, IATA Void not classified · 14.5 Environmental hazards: · Marine pollutant: No · 14.6 Special precautions for user Warning: Gases. · Hazard identification number (Kemler code): not classified · EMS Number: F-D, S-USW1 Protected from sources of heat. · Stowage Code SW2 Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 · Segregation Code litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. • Transport/Additional information: · ADR · Limited quantities (LQ) lLCode: E0 · Excepted quantities (EQ) Not permitted as Excepted Quantity · Transport category 2 · Tunnel restriction code D

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·IMDG

· Limited quantities (LQ) · Excepted quantities (EQ)

Code: E0 Not permitted as Excepted Quantity

· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

 \cdot 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture VOC: <840g/l

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P3a FLAMMABLE AEROSOLS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

 \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· National regulations:

· Technical instructions (air):

Class	Share in %	
NK	50-100	

• Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

EUH018 In use may form flammable/explosive vapour-air mixture.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

· Department issuing SDS: Product safety department

• Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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(Contd. of page 10) ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Gas 1A: Flammable gases - Category 1A Aerosol 1: Aerosols – Category 1 : Aerosols - Category 3 Press. Gas (Comp.): Gases under pressure - Compressed gas Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 \cdot * Data compared to the previous version altered. GB