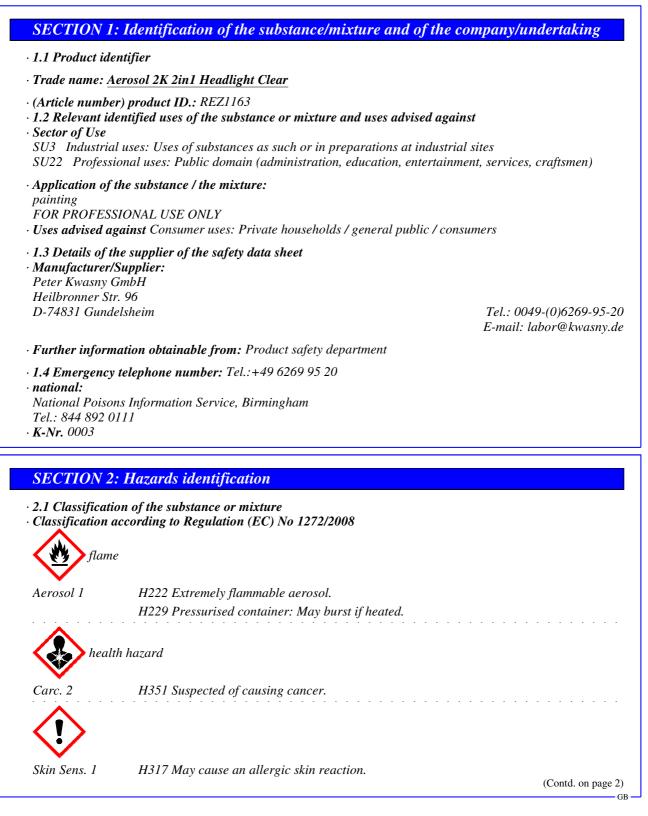


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Trade name: Aerosol 2K 2in1 Headlight Clear (Contd. of page 1) STOT SE 3 H336 May cause drowsiness or dizziness. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects. · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation. · Hazard pictograms GHS02 GHS07 GHS0 · Signal word Danger · Hazard-determining components of labelling: Aliphatisches Polyisocyanat (HDI oligomers, isocyanurate) n-butyl acetate 4-methylpentan-2-one isobutyl acetate 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers *Bis*(1,2,2,6,6-*pentamethyl*-4-*piperidyl*) *sebacate* · Hazard statements H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. 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. Read carefully and follow all instructions. P103 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P210 Do not spray on an open flame or other ignition source. P211 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. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352 IF ON SKIN: Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell. 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/international regulations. · Additional information: Without adequate ventilation, explosive atmosphere/gas mix may be created. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. EUH204 Contains isocyanates. May produce an allergic reaction. · Information concerning particular hazards for human and environment: 1272/2008/EC,II, 3.2 · 2.3 Other hazards · Results of PBT and vPvB assessment · **PBT:** Not applicable. · vPvB: Not applicable. (Contd. on page 3)

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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	25-<50%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate	10-<25%
CAS: 28182-81-2 NLP: 500-060-2 Reg.nr.: 01-2119485796-17-xxxx	Aliphatisches Polyisocyanat (HDI oligomers, isocyanurate) Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335, EUH204	5-<10%
CAS: 763-69-9 EINECS: 212-112-9 Reg.nr.: 01-2119463267-34-xxxx	ethyl 3-ethoxypropanoate Flam. Liq. 3, H226	2.5-<5%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-xxxx	2-methoxy-1-methylethyl acetate	2.5-<5%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	xylene, mixture of isomers Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	1-<2.5%
CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30-xxxx	4-methylpentan-2-one Flam. Liq. 2, H225; Carc. 2, H351; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 ATE: LC50/4 h inhalative: 11 mg/l	1-<2.5%
CAS: 110-19-0 EINECS: 203-745-1	isobutyl acetate	1-<2.5%
CAS: 53880-05-0 EC number: 931-312-3 Reg.nr.: 01-2119488734-24-xxxx	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers Skin Sens. 1, H317; STOT SE 3, H335	<i>≥</i> 0.1-<1%
CAS: 41556-26-7 EINECS: 255-437-1 Reg.nr.: no Reach-No. availlable	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Aquatic Acute 1, H400; Aquatic Chronic 1, H410;	<i>≥</i> 0.25-<1%

• 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.
- 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: 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. Open and handle receptacle with care.
- Information about fire and explosion protection: Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Keep respiratory protective device available.
 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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	ontrol parameters
-	dients with limit values that require monitoring at the workplace:
	10-6 dimethyl ether
WEL	Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm
123-8	36-4 n-butyl acetate
WEL	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm
108-0	55-6 2-methoxy-1-methylethyl acetate
WEL	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk
1330	20-7 xylene, mixture of isomers
WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
108-1	0-1 4-methylpentan-2-one
WEL	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm Sk, BMGV
· Ingre	dients with biological limit values:
-	-20-7 xylene, mixture of isomers
	V 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
108-2	10-1 4-methylpentan-2-one
	V 20 µmol/L Medium: urine Sampling time: post shift
	Parameter: 4-methylpentan-2-one
	<i>tional information:</i> The lists valid during the making were used as basis.
• 8.2 E • Appr • Indiv • Gene Keep Imme Wash Store	

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• Hand protection Protective gloves



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

- \cdot 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 Not required.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical p	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	-24.9 °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.	
· 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	
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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 of
	explosive air/vapour mixtures are possible. Not determined.
C. L	Not determined.
Solvent content:	77 0 0
Organic solvents:	77.8 %
	With propellant gas. Content given by weight.
VOC (EU)	77.76 %
Solids content:	20.8 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard of	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	able
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.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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)

Dermal LD50 28,837 mg/kg (rabbit)

Inhalative LC50/4 h 20.6-21.1 mg/l

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• Respiratory or skin sensitisation May cause an allergic skin reaction.

• Carcinogenicity Suspected of causing cancer.

 \cdot 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. 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	
· 14.2 UN proper shipping name		
$\cdot ADR$	1950 AEROSOLS	
·IMDG	AEROSOLS	
·IATA	AEROSOLS, flammable	
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Trade name: Aerosol 2K 2in1 Headlight Clear (Contd. of page 8) · 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 Void · ADR, IMDG, IATA 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-U· Stowage Code SW1 Protected from sources of heat. SW2 Clear of living quarters. · Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 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 \cdot Limited quantities (LQ) lLCode: E0 · Excepted quantities (EQ) Not permitted as Excepted Quantity · Transport category 2 · Tunnel restriction code D · IMDG · Limited quantities (LQ) lLCode: E0 • Excepted quantities (EQ) Not permitted as Excepted Quantity (Contd. on page 10)

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· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- 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
- 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.
- 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.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- *H410* Very toxic to aquatic life with long lasting effects.
- H412 Harmful 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.
- EUH204 Contains isocyanates. May produce an allergic reaction.

· Department issuing SDS: Product safety department

• Abbreviations and acronyms:

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

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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 Irrit. 2: Serious eye damage/eye irritation – Category 2	
Skin Sens. 1: Skin sensitisation – Category 1	
Carc. 2: Carcinogenicity – Category 2	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
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	
• * Data compared to the previous version altered.	
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