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Revision: 18.01.2023

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 65 (replaces version 64)

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

- 1.1 Product identifier
- · Trade name: Transparent Waxcoat
- · Article number: 86161
- 1.2 Relevant identified uses of the substance or mixture and uses advised against

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

· Application of the substance / the mixture

Surface protection Anti-corrosion additive

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

KENT (United Kingdom) Ltd Forsyth House Pitreavie Drive

Pitreavie Business Park

Dunfermline

Fife

**KY11 8US** 

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

Fax: +44 1383 620079

SDS@kenteurope.com

1.4 Emergency telephone number:

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

#### SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.



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

- · Signal word Danger
- · Hazard-determining components of labelling:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

· Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H336 May cause drowsiness or dizziness.

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H412 Harmful to aquatic life with long lasting effects.

#### · Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use. P280 Wear protective gloves / eye protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

#### Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking. Contains Calcium Sulfonate. May produce an allergic reaction.

- 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable. · vPvB: Not applicable.

#### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

· Description: Mixture of the substances listed below with harmless additions.

CAS: 64742-48-9 EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics ♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ STOT SE 3, H336	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	Propane liquefied  The Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-25%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane, pure  © Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-25%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	Isobutane  Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5-10%
CAS: 109-66-0 EINECS: 203-692-4	pentane ⑤ Flam. Liq. 2, H225; ⑥ Asp. Tox. 1, H304; ⑥ Aquatic Chronic 2, H411; ① STOT SE 3, H336, EUH066	5-10%
EC number: 927-241-2 Reg.nr.: 01-2119471843-32	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics ♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ STOT SE 3, H336; Aquatic Chronic 3, H412	5-10%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics ♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ STOT SE 3, H336	_ <5%
CAS: 61789-86-4 EINECS: 263-093-9 Reg.nr.: 01-2119488992-18	Calcium Sulfonate  Skin Sens. 1B, H317	_ <1%

#### 4.1 Description of first aid measures

SECTION 4: First aid measures

- · After inhalation Take affected persons into the open air and position comfortably
- · After skin contact Instantly wash with water and soap and rinse thoroughly.
- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing In case of persistent symptoms consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 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 CO2, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam. (Contd. on page 3)

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- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Do not inhale explosion gases or combustion gases.
- · Additional information

Collect contaminated fire fighting water separately. It must not enter drains.

Cool endangered containers with water spray jet.

### SECTION 6: Accidental release measures

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

Keep away from ignition sources

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

Inform respective authorities in case product reaches water or sewage system.

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

Dispose of 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 information on disposal.

#### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle container with care.

#### Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized 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.

Do not spray on flames or red-hot objects.

#### 7.2 Conditions for safe storage, including any incompatibilities

· Storage

#### Requirements to be met by storerooms and containers:

Store in cool location.

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Protect from heat and direct sunlight.

Store container in a well ventilated position.

- · Storage class 2 B
- · 7.3 Specific end use(s) No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

### Components with limit values that require monitoring at the workplace:

#### 106-97-8 butane, pure

WEL Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

#### Regulatory information WEL: EH40/2020

#### · DNELs

#### 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Dermal | Long term systemic effect | 208 mg/kg bw/day (Worker)

Inhalative Long term systemic effect 871 mg/m3 (Worker)

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109-66-0 <sub>l</sub>	109-66-0 pentane		
Dermal	Long term systemic effect	432 mg/kg bw/day (Worker)	
	Long term systemic effect	÷ ' '	
Hydrocari	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Dermal	Long term systemic effect	44 mg/kg bw/day (Worker)	
	Long term systemic effect	<del>-</del> ' ' '	
Hydrocari	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics		
Dermal	Long term systemic effect	208 mg/kg bw/dy (Worker)	
Inhalative	Long term systemic effect	871 mg/m3 (Worker)	
innaiative	Long term systemic effect	87 i mg/m3 (worker)	

#### · PNECs

#### 109-66-0 pentane

PNEC | 0.23 mg/l (Aqua (freshwater))

- 1.2 mg/kg (Freshwater sediment)
- 3.6 mg/l (Sewage treatment plant)
- 0.55 mg/kg (Soil)
- Additional information: The lists that were valid during the compilation were used as basis.
- 8.2 Exposure controls
- Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures Wash hands during breaks and at the end of the work.
- Breathing equipment:

Only during spraying without adequate removal by suction.

- Filter AX (EN 14387)
- Hand protection



Protective gloves.

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Wear suitable gloves tested to EN 374

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.12 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material

Value for the permeation: Level 6 > 480 minutes

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

Eye/face protection



Safety glasses (EN 166)

· Body protection: Protective work clothing (EN-13034/6)

#### SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- · General Information
- · Physical state Aerosol · Colour: Whitish Characteristic · Odour:
- · Odour threshold: Not determined. Melting point/freezing point: Not determined
- Boiling point or initial boiling point and boiling range 36 °C

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· Flammability Not applicable.

Lower and upper explosion limit

• **Lower:** 0.6 Vol % **Upper:** 10.9 Vol %

· Flash point: Not applicable, as aerosol

Ignition temperature: >200 °C
Decomposition temperature: Not determined.

pH Mixture is non-soluble (in water).

· Viscosity:

Kinematic viscosity
 dynamic:
 Not determined.

Solubility

• Water: Fully miscible
• Partition coefficient n-octanol/water (log value) Not determined.
• Vapour pressure at 20 °C: 8300 hPa

Density and/or relative density

Density at 20 °C 0.72 g/cm³ (DIN 51757)
Relative density Not determined.
Vapour density Not determined.

9.2 Other information

· Appearance:

Form: Aerosol

Important information on protection of health and

environment, and on safety.

Self-inflammability: Product is not selfigniting.

Explosive properties: Not determined.

Solvent content:

• Organic solvents: 540 G/L VOC • Solids content: 23.9 % (DIN 53216)

· Change in condition

· Evaporation rate Not applicable.

· Information with regard to physical hazard classes

Explosives Void Flammable gases Void

\*Aerosols Extremely flammable aerosol. Pressurised container: May burst if

Peated.

Oxidising gases

Void
Gases under pressure

Void

Flammable liquids
 Flammable solids
 Self-reactive substances and mixtures
 Pyrophoric liquids

Pyrophoric solids
Self-heating substances and mixtures
Void
Void

Substances and mixtures, which emit flammable gases in contact with water Void

Oxidising liquids
Oxidising solids
Organic peroxides
Corrosive to metals
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.

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- · 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

### SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:			
9 Hydrocarb	ons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
LD50	>5,000 mg/kg (Rat)		
LD50	>3,000 mg/kg (Rabbit)		
opane lique	fied		
ErC 50	19.37 mg/l (Algae) (96 hr)		
utane, pure			
LC50 (4 hr)	658 mg/l (Rat)		
ErC 50	19.37 mg/l (Algae) (96 hr)		
obutane			
ErC 50	19.37 mg/l (Algae)		
entane			
LD50	2,001 mg/kg (Rat)		
LD50	2,001 mg/kg (Rat)		
ons, C9-C1	0, n-alkanes, isoalkanes, cyclics, <2% aromatics		
LD50	>5,000 mg/kg (Rat)		
LD50	>5,000 mg/kg (Rabbit)		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics			
LD50	>5,000 mg/kg (Rat)		
LD50	>3,000 mg/kg (Rabbit)		
	D Hydrocart LD50 LD50 opane lique ErC 50 utane, pure LC50 (4 hr) ErC 50 obutane ErC 50 entane LD50 LD50 oons, C9-C1 LD50 cons, C9-C1		

- STOT-single exposure May cause drowsiness or dizziness.
- 11.2 Information on other hazards
- Endocrine disrupting properties

None of the ingredients is listed.

### **SECTION 12: Ecological information**

· 12.1 Toxicity				
· Aquatic toxicity:				
64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics				
EL50 (72 hr)	>1,000 mg/l (Pseudokirchneriella subcapitata)			
ELO (48 hr)	1,000 mg/l (Daphnia magna)			
LL50 (96 hr)	>1,000 mg/l (Oncorhynchus mykiss)			
NOELR	100 mg/l (Pseudokirchneriella subcapitata) (72 hrs)			
74-98-6 Prop	74-98-6 Propane liquefied			
EC50 (48 hr)	69.43 mg/l (Daphnia magna)			
LC50 (96 hr)	49.9 mg/l (Fish)			
106-97-8 butane, pure				
EC50 (48 hr)	69.43 mg/l (Daphnia magna)			
LC50 (96 hr)	49.9 mg/l (Fish)			
75-28-5 Isobเ	75-28-5 Isobutane			
EC50 (48 hr)	69.43 mg/l (Daphnia magna)			
LC50 (96 hr)	91.42 mg/l (Fish)			
109-66-0 pen	109-66-0 pentane			
EC50	10.7 mg/l (Pseudokirchneriella subcapitata) (72 hours)			
EC50 (48 hr)	2.7 mg/l (Daphnia magna)			
LC50 (96 hr)	4.26 mg/l (Oncorhynchus mykiss)			
NOEC (72 hr)	7.51 mg/l (Pseudokirchneriella subcapitata)			
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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics

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EL50 (72 hr) >1,000 mg/l (Pseudokirchneriella subcapitata)

ELO (48 hr) 1,000 mg/l (Daphnia magna)
LL50 (96 hr) >1,000 mg/l (Oncorhynchus mykiss)

NOELR 100 mg/l (Pseudokirchneriella subcapitata) (72 hrs)

- · 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: Not applicable.
- · 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 danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into soil.

Harmful to aquatic organisms

#### SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- · Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleaning agent: Water, if necessary with cleaning agent.

### SECTION 14: Transport information

· 14.1 UN number or ID nui	mber
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· ADR, IMDG, IATA UN1950

14.2 UN proper shipping name

ADR 1950 AEROSOLS IMDG AEROSOLS

· IATA AEROSOLS, flammable

- 14.3 Transport hazard class(es)
- ADR



Class 2 5F Gases.
Label 2.1

IMDG, IATA



 • Class
 2.1 Gases.

 • Label
 2.1

14.4 Packing group

· ADR, IMDG, IATA Void

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14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Kemler Number:	-
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat.
	SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, 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	g to IMO
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	Code: E0
,	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (ÉQ)	Code: E0
	Not permitted as Excepted Quantity
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
- 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	37.0

- Water hazard class: Water danger class 3 (Self-assessment): extremely hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they 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.

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H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

### Department issuing data specification sheet: Environment protection department

#### Abbreviations and acronyms:

RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATIA: 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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Label Concentration, 50 concent

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

Flam. Gas 1A: Flammable gases – Category 1A
Aerosols – Category 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
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
App. Toy 1: Apprinting hazard – Category 1

Asp. Tox. 1: Aspiration hazard — Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard — Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 Data compared to the previous version altered. \*