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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 3 (replaces version 2)

Revision: 17.01.2023

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

1.1 Product identifier

• Trade name: ASSEMBLY ADHESIVE FAST BLACK

· Article number: 84530

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 Sealant

Adhesive

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 The product is not classified, according to the GB CLP regulation.

· 2.2 Label elements

- · Labelling according to Regulation (EC) No 1272/2008 Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Additional information:

Contains trimethoxyvinylsilane. May produce an allergic reaction.

Safety data sheet available on request.

* 2.3 Other hazards Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released during curing.

- · 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.

· Dangerous (components:
---------------	-------------

· Dangerous component	S.	
CAS: 13822-56-5	3-(trimethoxysilyl)propylamine	<3%
EINECS: 237-511-5	🔗 Eye Dam. 1, H318; 🚯 Skin Irrit. 2, H315	
Reg.nr.: 01-2119510159-45		
CAS: 68424-38-4	Fatty acids, C16-18, sodium salts	<3%
EINECS: 270-299-2	Aquatic Chronic 3, H412	
Reg.nr.: 01-2119648083-41		
CAS: 2768-02-7	trimethoxyvinylsilane	<1%
EINECS: 220-449-8	🐵 Flam. Liq. 3, H226; 🚯 Acute Tox. 4, H332; Skin Sens. 1B, H317	
Reg.nr.: 01-2119513215-52		
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Γ	CAS: 870-08-6	dioctyltin oxide	<0.5%
	EINECS: 212-791-1	Substance with a Community workplace exposure limit.	
		Substance identified as having endocrine disrupting properties (II).	
	· 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

- After inhalation Take affected persons into the open air and position comfortably
- After skin contact
- Instantly wash with water and soap and rinse thoroughly.
- If skin irritation continues, consult a doctor.
- After eye contact Rinse opened eye for several minutes under running water.
- After swallowing Rinse out mouth.
- 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
- Use fire fighting measures that suit the environment.
- CO2, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire.
- Carbon monoxide and carbon dioxide **5.3 Advice for firefighters**

Protective equipment:

Do not inhale explosion gases or combustion gases. Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
- [•] 6.2 Environmental precautions: No special measures required.
- 6.3 Methods and material for containment and cleaning up:

Allow to solidify. Collect mechanically. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- 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.
Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by storerooms and containers: Store in cool location.

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

Store in cool, dry conditions in well sealed containers.

Store container in a well ventilated position.

Protect from humidity and keep away from water.

10-35°C • Storage class 11

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. 7.3 Specific end use(s) No further relevant information available.

	N 8: Exposure controls	
	trol parameters	hat require monitoring at the workplace:
As Carbor	n black (1333-86-4) is inextr	icably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mis
• • /	under normal condition of us	nes.
	dioctyltin oxide	
	ort-term value: 0.2 mg/m ³	
	g-term value: 0.1 mg/m³ Sn; Sk	
	ory information WEL: EF	140/2020
DNELs		
	Calcium carbonate	
	Long term systemic effect	10 mg/m3 (Worker)
minalative	Long term local effect	4.26 mg/m3 (Worker)
13822-56-	-5 3-(trimethoxysilyl)propy	
	Acute systemic effect	8.3 mg/kg bw/day (Worker)
Denna	Long term systemic effect	
Inhalative	Long term systemic effect	
inidiative	Acute systemic effect	58 mg/m3 (Worker)
52829-07-	9 Bis 2,2,6,6-tetramethyl-4	
	Acute systemic effect	2 mg/kg bw/day (Worker)
		0.5 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	
	trimethoxyvinylsilane	3 3 3 3 1
		3.9 mg/kg bw/day (Worker)
	Long term systemic effect	
	Carbon black	
Inhalative	Long term systemic effect	2 mg/m ³ (Worker)
	Long term local effect	2 mg/m ³ (Worker)
PNECs	-	
	-5 3-(trimethoxysilyl)propy	lamine
	33 mg/l (Aqua (freshwater))	
	033 mg/l (Aqua (marine wat	er))
	26 mg/kg (Freshwater sedin	
	mg/l (Sewage treatment pla	
	04 mg/kg (Soil)	···· '
	9 Bis 2,2,6,6-tetramethyl-4	I-piperidyl) sebacate
	018 mg/l (Aqua (freshwater)	
	0018 mg/l (Aqua (marine wa	
	mg/kg (Freshwater sedime	
	9 mg/kg (Marine water sedir	
5.9	9 mg/kg (Soil)	
2768-02-7	' trimethoxyvinylsilane	
PNEC 0.3	34 mg/l (Aqua (freshwater))	
3.4	4 mg/l (Aqua (intermittent))	
0.0	034 mg/l (Aqua (marine wate	er))
0.2	27 mg/l (Freshwater sedime	nt)
	0 mg/l (Sewage treatment p	lant)
0.0	046 mg/kg (Soil)	
	nts with biological limi	
		ure Limit Values for possible hazards during processing:
Small amo	ounts of methanol (CAS 67-	56-1) are formed by hydrolysis and released during curing. (Contd. on page 4
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67-56-1 methanol

WEL Short-term value: 333 mg/m³, 250 ppm Long-term value: 266 mg/m³, 200 ppm Sk

• 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: Not necessary if room is well-ventilated.
- · 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

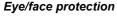
Recommended thickness of the material: \geq 0.7 mm

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.





Safety glasses (EN 166)

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

9.1 Information on basic physical and chemical pl	roperties	
General Information	•	
Physical state	Solid	
Colour:	Black	
Odour:	Mild	
Odour threshold:	Not determined.	
Melting point/freezing point:	Not determined	
Boiling point or initial boiling point and boiling range	Not determined	
Flammability	Not determined.	
Lower and upper explosion limit		
Lower:	Not determined.	
Upper:	Not determined.	
Flash point:	Not applicable	
Decomposition temperature:	Not determined.	
pH	Mixture is non-polar/aprotic.	
Viscosity:		
Kinematic viscosity	Not applicable.	
dynamic at 20 °C:	6000 - 14000 mPas	
Solubility		
Water:	Unsoluble	
Partition coefficient n-octanol/water (log value)	Not determined.	
Vapour pressure:	Not applicable.	

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Density and/or relative density		
Density at 23 °C	1.48 g/cm³	
Relative density	Not determined.	
Vapour density	Not applicable.	
9.2 Other information		
Appearance:		
Form:	Pasty	
Important information on protection of health an	d	
environment, and on safety.		
Self-inflammability:	Product is not selfigniting.	
Explosive properties:	Product is not explosive.	
Solvent content:	•	
Organic solvents:	nil VOC	
Change in condition		
Evaporation rate	Not applicable.	
Information with regard to physical hazard class	es	
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
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 flammable	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 Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

	OECD 437	<3 (Bovine Cornea) (OCED Test No. 437)	
52829-07-	9 Bis 2,2,6,6-tetram	nethyl-4-piperidyl) sebacate	
Oral	LD50	>2,000 mg/kg (Rat) (OECD 423)	
Dermal	LD50	>3,170 mg/kg (Rat) (OECD 402)	
2768-02-7	trimethoxyvinylsil	ane	
Oral	LD50	7,120 mg/kg (Rat)	

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	Not a skin sensitiser (Guinea pig)
OECD Test No. 405	(Rabbit) (Acute Eye irritation / corrosion: Non irritant)
1333-86-4 Carbon black	
Oral LD50	10,000 mg/kg (Rat)
870-08-6 dioctyltin oxide	
Oral LD50	2,500 mg/kg (Rat)
Serious eye damage/irritation No classification is proposed, based No irritation after contact to the eyes 3-(trimethoxysilyl)propylamine CAS OECD 437 Bovine / Corneal Opacity Corneal / Bovine / Exposure time 1 Based on available data, the classif Respiratory or skin sensitisat OECD Test No. 406: Skin sensitisat May cause sensitisation in suscepti Trimethoxyvinylsilane CAS 2768-02 OECD Test No. 406 Skin sensitisat Dermal / Guinea pig: Not a skin sen Based on available data, the classif Germ cell mutagenicity Based Carcinogenicity Based on availa Reproductive toxicity Based or STOT-single exposure Based of STOT-repeated exposure Based Aspiration hazard Based on available 11.2 Information on other h	d on conclusive negative data. By analogy to another tested similar product: s. (H319 is void). 13822-56-5 and Permeability (BCOP) test 0 mins; Product score <3 Non-irritant ication criteria are not met. ion tion. No sensitisation responses were observed. No classification is proposed, based on conclusive ble persons. P-7 ion Isitiser ication criteria are not met. on available data, the classification criteria are not met. able data, the classification criteria are not met. n available data, the classification criteria are not met. on available data, the classification criteria are not met. available data, the classification cr
Endocrine disrupting properti	ies
870-08-6 dioctyltin oxide	List II

SECTION 12: Ecological information

[•] 12.1 Toxicity

· Aquatic toxic	city:	
471-34-1 Calci	um carbonate	
EC50	>1,000 mg/l (Activated sludge) (OECD 209 3 hrs)	
EC50 (72 hr)	>200 mg/l (Algae)	
	>14 mg/l (Desmodesmus subspicatus) (OECD 202)	
NOEC	1,000 mg/l (Activated sludge) (OECD 209 3 hrs)	
NOELR	14 mg/l (Desmodesmus subspicatus) (OECD 201 72 hrs)	
13822-56-5 3-(1	trimethoxysilyl)propylamine	
EC50 (48 hr)	331 mg/l (Daphnia magna) (OECD 202)	
EC50 (72 hr)	>1,000 mg/l (Desmodesmus subspicatus) (EU Method C.3 (Algal Inhibition test))	
LC50 (96 hr)	>934 mg/l (Danio rerio (Zebra fish; semistatic)) (OECD 203)	
68424-38-4 Fat	tty acids, C16-18, sodium salts	
EC50	120 mg/l (Desmodesmus subspicatus) (96 hrs)	
EC50 (72 hr)	86 mg/l (Water flea (Ceriodaphnia dubia))	
52829-07-9 Bis	s 2,2,6,6-tetramethyl-4-piperidyl) sebacate	
EC50 (24 hr)	17 mg/l (Daphnia magna) (OECD 202)	
EC50	1.9 mg/l (Algae (Scenedesmus subspicatus)) (DIR 92/69/EC)	
EC50 (72 hr)	0.705 mg/l (Pseudokirchneriella subcapitata)	
LC50	5,290 ug/l (Fish)	
	0.013 ug/l (Oncorhynchus mykiss) (OECD 203)	
LC50 (48 hr)	8.58 mg/l (Daphnia magna)	
2768-02-7 trim	ethoxyvinylsilane	
EC10	1,000 (Pseudomonas Putida) (5 hours)	
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EC50 (48 hr)	169 mg/l (Daphnia magna)	
EC50 (72 hr)	210 mg/l (Selenastrum capricornutum)	
	>957 mg/l (Desmodesmus subspicatus) (EU Method C.3)	
LC50 (96 hr)	191 mg/l (Oncorhynchus mykiss)	
NOEC (72 hr)	25 mg/l (Selenastrum capricornutum)	
NOEC (21 days)	28 mg/l (Daphnia magna) (Reproduction)	
1333-86-4 Carbo	n black	
EC50 (24 hr)	>5,600 mg/l (Daphnia magna) (OECD 202)	
LC50 (96 hr)	>1,000 mg/l (Brachydanio rerio) (OECD 203)	
12.2 Persiste	nce and degradability No further relevant information available.	
[·] 12.3 Bioaccu	mulative 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 applica		
· vPvB: Not appli		
	ne disrupting properties For information on endocrine disrupting properties see section 11.	
12.7 Other ac		
· Additional eco	logical information:	

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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.

14.1 UN number or ID number		
ADR, ADN, IMDG, IATA	Void	
14.2 UN proper shipping name		
ADR, ADN, IMDG, IATA	Void	
14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA		
Class	Void	
14.4 Packing group		
ADR, IMDG, ĬĂŤĂ	Void	
14.5 Environmental hazards:		
Marine pollutant:	No	
14.6 Special precautions for user	Not applicable.	
14.7 Maritime transport in bulk according	y to IMO	
instruments	NOT REGULATED	
Transport/Additional information:	Not dangerous according to the above specifications.	
UN "Model Regulation":	Void	

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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.
- National regulations
- · Water hazard class: Water hazard class 1 (Self-assessment): slightly 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

H226 Flammable liquid and vapour.

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

· 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 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) DNEL: Derived No-Effect Level (UK REACH) PNEC: Predicted No-Effect Concentration (UK REACH) LD50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 1 Skin Sens. 1B: Skin sensitisation – Category 18 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 **Data compared to the previous version altered.** *