

e-mail info@akemi.de

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.04.2024 Version number 10 (replaces version 9) Revision: 10.04.2024

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

· 1.1 Product identifier

· Trade name: Plastic Adhesion Promoter

· Article number: 90211, 90212

· <u>UFI:</u> 41K0-F0QE-N008-RAUP

1.2 Relevant identified uses of the substance or mixture and

uses advised againstNo further relevant information available.

· Application of the substance / the

<u>mixture</u> Priming

· 1.3 Details of the supplier of the safety data sheet

• <u>Manufacturer/Supplier:</u> AKEMI chemisch technische Spezialfabrik GmbH Tel. +49(0)911-642960 Lechstrasse 28 Fax. +49(0)911-644456

Lechstrasse 28 D 90451 Nürnberg

· Further information obtainable

<u>rom:</u> Laboratory

1.4 Emergency telephone

<u>number:</u> Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH

Tel. +49(0)911-64296-59

Reachable during the following office hours: Monday – Thursday from 07:30 a.m. to 16:30 p.m.

Friday from 07:30 a.m. to 13:30 p.m.

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell.

Storage: Store in a well-ventilated place. Keep cool.

Store locked up.

· 2.2 Label elements

· Labelling according to Regulation

(EC) No 1272/2008

· Hazard pictograms

The product is classified and labelled according to the CLP regulation.





GHS02 GHS07

· <u>Signal word</u> Danger

· Hazard-determining components of

<u>labelling:</u> ethyl acetate

n-butyl acetate

· <u>Hazard statements</u> H222-H229 Extremely flammable aerosol. Pressurised container: May burst if

heated.

H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

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Trada nama: Blastia Adhasian Bra	motor	
<u>Trade name:</u> Plastic Adhesion Pro	moter	
		(Contd. of page 1)
· <u>Precautionary statements</u>	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. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P260	Do not breathe spray.
	P280	Wear protective gloves / eye protection.
	P305+P351+P33	38 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	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:	EUH066 Repeat	ed exposure may cause skin dryness or cracking.
	Contains epoxy	constituents. May produce an allergic reaction.
	Buildup of explos	sive mixtures possible without sufficient ventilation.
· 2.3 Other hazards		
 Results of PBT and vPvB assess 		
· <u>PBT:</u>	Not applicable.	
· <u>vPvB:</u>	Not applicable.	
Determination of endocrine-		
disrupting properties	For information of	on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

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

Dangerous components: CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46 CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21 CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32 CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	
EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46 CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21 CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32 CAS: 123-86-4 EINECS: 204-658-1 Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066 EVH066 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066 EVH066 Eve Irrit. 2, H319; STOT SE 3, H336 EUH066 Eve Irrit. 2, H319; STOT SE 3, H336 EVH066 Eve Irrit. 2, H319; STOT SE 3, H336 EVH066 Eve Irrit. 2, H319; STOT SE 3, H336 EVH066 Eve Irrit. 2, H319; STOT SE 3, H336 EVH066 Eve Irrit. 2, H319; STOT SE 3, H336 EVH066 EVH066 Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
EINECS: 200-827-9	25-50%
EINECS: 203-448-7 Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Flam. Cas. 123-86-4 Index 123-86-4 Flam. Lig. 3. H226 Flam. Lig. 3. H226	12.5-25%
EINECS: 204-658-1 Flam, Lig. 3, H226	12.5-25%
Reg.nr.: 01-2119485493-29 EUH066	<10%
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CAS: 75-28-5	isobutane	<10%
EINECS: 200-857-2	Flam. Gas 1A, H220	
Index number: 601-004-00-0	Press. Gas (Comp.), H280	
Reg.nr.: 01-2119485395-27	` ' '	
EC number: 905-588-0	reaction mass of ethylbenzole and xylole	1-5%
Index number: 601-022-00-9	Flam. Lig. 3, H226	
	STOT RÉ 2, H373; Asp. Tox. 1, H304	
01-2119486136-34	Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2,	
	H319; STOT SE 3, H335	

· <u>Additional information:</u> 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: Take affected persons out into the fresh air.

• After inhalation: Supply fresh air; consult doctor in case of complaints.
• After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist,

consult a doctor.

· After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and

delayed Breath

Breathing difficulty Headache Dizziness Dizziness Nausea

• 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, powder or water spray. Fight larger fires with water spray or alcohol

resistant foam.

· For safety reasons unsuitable

extinguishing agents: Water with full jet

· 5.2 Special hazards arising from

Carbon monoxide (CO)

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

· Protective equipment: Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

· <u>Additional information</u> Cool endangered receptacles with water spray.

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.

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• **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 of the material collected according to regulations.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

• **6.4 Reference to other sections** 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 interior ventilation, especially at floor level. (Fumes are heavier than

air).

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

· Information about fire - and

explosion protection: Fumes can combine with air to form an explosive mixture.

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by

storerooms and receptacles: Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

· Information about storage in one

common storage facility:

· Further information about storage

conditions: Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· Storage class: 2 B

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

Not required.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

141-78-6 ethyl acetate

IOELV Short-term value: 1468 mg/m³, 400 ppm

Long-term value: 734 mg/m³, 200 ppm

123-86-4 n-butyl acetate

IOELV Short-term value: 723 mg/m³, 150 ppm

Long-term value: 241 mg/m³, 50 ppm

reaction mass of ethylbenzole and xylole

AGW Short-term value: 442 mg/m³, 100 ppm

Long-term value: 221 mg/m³, 50 ppm

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DNELs			(Ositid. Of p
141-78-6	ethyl a	cetate	
Oral	DNEL	(Langzeit-wiederholt)	4.5 mg/kg bw/day (BEV)
Dermal	DNEL	(Langzeit-wiederholt)	
		,	37 mg/kg bw/day (BEV)
Inhalative	DNEL	. (Kurzzeit-akut)	1,468 mg/m³ Air (ARB)
			734 mg/m³ Air (BEV)
	DNEL	(Langzeit-wiederholt)	734 mg/m³ Air (ARB)
			367 mg/m³ Air (BEV)
123-86-4 r	า-buty	l acetate	
Oral	DNEL	. (Kurzzeit-akut)	2 mg/kg bw/day (BEV)
	DNEL	. (Langzeit-wiederholt)	2 mg/kg bw/day (BEV)
Dermal	DNEL	. (Kurzzeit-akut)	11 mg/kg bw/day (ARB)
			6 mg/kg bw/day (BEV)
	DNEL	. (Langzeit-wiederholt)	11 mg/kg bw/day (ARB)
			6 mg/kg bw/day (BEV)
Inhalative	DNEL	. (Kurzzeit-akut)	600 mg/m³ Air (ARB)
			300 mg/m³ Air (BEV)
	DNEL	(Langzeit-wiederholt)	48-300 mg/m³ Air (ARB)
			12-35.7 mg/m³ Air (BEV)
reaction r	nass c	of ethylbenzole and xy	ylole
Oral	DNEL	. (Langzeit-wiederholt)	1.6 mg/kg bw/day (BEV)
Dermal	DNEL	. (Langzeit-wiederholt)	180-212 mg/kg bw/day (ARB)
			108 mg/kg bw/day (BEV)
Inhalative	DNEL	. (Kurzzeit-akut)	289-442 mg/m³ Air (ARB)
			260 mg/m³ Air (BEV)
	DNEL	. (Langzeit-wiederholt)	211-221 mg/m³ Air (ARB)
			14.8-65.3 mg/m³ Air (BEV)
PNECs			
141-78-6 e	ethyl a	cetate	
PNEC (wä	issrig)	650 mg/l (KA)	
		0.024 mg/l (MW)	
		0.24 mg/l (SW)	
		1.65 mg/l (WAS)	
PNEC (fes	st)	0.148 mg/kg Trockeng	gew (BO)
		0.115 mg/kg Trockeng	gew (MWS)
123-86-4 n-butyl acetate PNEC (wässrig) 35.6 mg/l (KA)		1.15 mg/kg Trockenge	ew (SWS)
		= : :	
		0.018 mg/l (MW)	
		0.18 mg/l (SW)	
		0.36 mg/l (WAS)	
PNEC (fes	st)	0.0903 mg/kg Trocker	
		0.0981 mg/kg Trocker	
		0.981 mg/kg Trockeng	gew (SWS)



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reaction mass of ethylbenzole and xylole

PNEC (wässrig) 6.58 mg/l (KA)

0.327 mg/l (MW) 0.327 mg/l (SW)

0.327 mg/l (WAS)

PNEC (fest) 2.31 mg/kg Trockengew (BO)

12.46 mg/kg Trockengew (MWS) 12.46 mg/kg Trockengew (SWS)

· Additional information:

The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Appropriate engineering controls No further data; see section 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic

measures:

Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection.

Clean skin thoroughly immediately after handling the product.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Filter AX

Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.

<u>Hand protection</u> Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory anylyses of the company KCL

GmbH in compliance with EN374.

This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH,

Germany, 36124 Eichenzell, internet: http://www.kcl.de).

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 Butyl rubber, BR

Chloroprene rubber, CR Nitrile rubber, NBR

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.

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 Penetration time of glove material Value for the permeation: Level ≤ 1 , 10 min

The exact break trough time has to be found out by the manufacturer of the

protective gloves and has to be observed.

 As protection from splashes gloves made of the following materials are

suitable:

Butyl rubber, BR

Butoject (KCL, Art_No. 897, 898)

Nitrile rubber, NBR

Camatril (KCL, 730, 731, 732, 733)

Chloroprene rubber, CR

· Not suitable are gloves made of

the following materials:

Leather gloves

Strong material gloves

· Eye/face protection

Tightly sealed goggles

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

General Information

· Colour: Colourless · Odour: Specific type

Undetermined. · Melting point/freezing point:

· Boiling point or initial boiling point and boiling range Not applicable, as aerosol.

· Lower and upper explosion limit

· Lower: 1.5 Vol % 11.5 Vol % · Upper:

· Flash point: Not applicable, as aerosol.

· Auto-ignition temperature: 365 °C

Not determined. · pH

Not applicable

· Viscosity:

 Kinematic viscosity Not determined. Not applicable

· Dynamic: Not determined. Not applicable

Solubility

Not miscible or difficult to mix. · water:

 Vapour pressure at 20 °C: 8,300 hPa

Density and/or relative density

· Density at 20 °C: 0.7 g/cm³

· 9.2 Other information

· Appearance:

Aerosol · Form:

· Important information on protection of health and environment, and on safety.

Product is not selfigniting. Ignition temperature:

· Explosive properties: In use, may form flammable/explosive vapour-air mixture.

· Solvent content:

91.6 % Organic solvents: Solids content: 1.3 %

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· mormation	willi regard	to priy:	sicai nazar	u ciasses
 Explosives 				

Void · Flammable gases Void

Extremely flammable aerosol. Pressurised container: May Aerosols

burst if heated.

Void Oxidising gases Void · Gases under pressure Void · Flammable liquids · 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

No further relevant information available. · 10.1 Reactivity

· 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. No further relevant information available.

· 10.4 Conditions to avoid · 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

Based on available data, the classification criteria are not met. · Acute toxicity

· LD/LC50 values relevant for classification:

141-78-6 e	ethyl acetate		
Oral	LD50	4,100 mg/kg (mouse)	
		5,620 mg/kg (rat)	
	4,934 mg/kg (rabbit) (OECD 401)		
	NOAEL-Werte 900 mg/kg (rat)		
Dermal	LD50	>18,000 mg/kg (rabbit)	
Inhalative	LC50	58 mg/l (rat)	
	LC50/4 h	56 mg/l (rat)	
	LC50/1h	200 mg/l (rat)	
	LC50/8h	5.86 mg/l (rat)	
	LC50/48h	333 mg/l (Leuciscus idus)	

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74-98-6 p	ropane	
Inhalative	LC50/4 h	>20 mg/l (rat)
106-97-8 I	outane, pure	
Inhalative	LC50/4 h	658 mg/l (rat)

123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat) (OECD 423)
Dermal	LD50	>14,112 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	23.4 mg/l (rat) (OECD 403)
		390 mg/m3 (rat)
	LC50/48h	64 mg/l (Brachydanio rerio)

75-28-5 isobutane

Inhalative	LC50/4 h	>50 mg/l (rat)

reaction mass of ethylbenzole and xylole

Oral	LD50	3,523 mg/kg (rat)
	NOAEL-Werte	250 mg/kg (rat)
Dermal	LD50	12,126 mg/kg (rabbit)
Inhalative	LC50/4h	29,000 mg/m3 (rat)
	LC50/4 h	27.124 mg/l (rat)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

· Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity

Based on available data, the classification criteria are not met.

 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.

· <u>STOT-single exposure</u> May cause drowsiness or dizziness.

• STOT-repeated exposure
• Aspiration hazard

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

 Aquatic toxic 	ity:
141-78-6 eth	yl acetate
EC50/24h	2,300-3,090 mg/l (daphnia magna)
EC50/96h	220 mg/l (Pimephales promelas)
EC10/18h	2,900 mg/l (pseudomonas putida)
EC50/48h	610 mg/l (daphnia magna) (DIN 38412)
	5,600 mg/l (Scenedesmus subspicatus)
IC50/48h	3,300 mg/l (Scenedesmus subspicatus)
LC 0	29.3 mg/l (rat)
NOELR/72h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC/21d	2.4 mg/l (daphnia magna) (DIN 38412 Part 11)
EC10	2,900 mg/l (pseudomonas putida)
EC50/48h	3,300 mg/l (Scenedesmus subspicatus)
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EC50/72h	1,800-3,200 mg/l (selenastrum capricornutum)	
LC50/96h	300-600 mg/l (Oncorhynchus mykiss)	
	230 mg/l (Pimephales promelas)	
	outyl acetate	
EC50/24h	72.8 mg/l (daphnia magna) (DIN 38412)	
EC50/96h	320 mg/l (algae)	
LC50/24h	205 mg/l (daphnia magna)	
IC50/72h	648 mg/l (Desmodesmus subspicatus)	
EC10/18h	959 mg/l (pseudomonas putida)	
EC50/48h	44 mg/l (daphnia magna) (OECD 202)	
EC50/16h	959 mg/l (pseudomonas putida)	
NOEC	200 mg/kg (Desmodesmus subspicatus)	
NOEC/21d	23 mg/l (daphnia magna) (OECD 211)	
EC50/72h	647.7 mg/l (Desmodesmus subspicatus) (Zellvermehrungshemmtest)	
	397 mg/l (Scenedesmus subspicatus)	
LC50/96h	62 mg/l (Danio rerio.)	
	81 mg/l (piscis)	
	100 mg/l (lepomis macrochirus)	
	62 mg/l (Leuciscus idus) (DIN 38412)	
	18 mg/l (pimephales promelas) (OECD 203)	
reaction ma	ss of ethylbenzole and xylole	
LC50/24h	1 mg/l (daphnia magna) (OECD 202)	
EC50/48h	3.2-9.5 mg/l (daphnia magna) (US EPA)	
ErC50/72h	4.9 mg/l (Pseudokirchneriella subcapitata) (OECD 201)	
NOEC	16 mg/l (BES)	
	1.3 mg/l (Oncorhynchus mykiss)	
NOELR/72h	0.44 mg/l (algae)	
NOEC/21d	1.57 mg/l (daphnia magna) (OECD 211)	
NOELR/28d	16 mg/l (bacteria)	
EC50/72h	1-10 mg/l (algae)	
	2.2 mg/l (selenastrum capricornutum) (OECD 201)	
LC50/96h	1-10 mg/l (fish)	
	86 mg/l (Leuciscus idus)	
	2.6 mg/l (Oncorhynchus mykiss) (OECD 203)	
	8.9-16.4 mg/l (pimephales promelas)	

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

The product does not contain substances with endocrine disrupting properties. properties

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according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.04.2024 Version number 10 (replaces version 9) Revision: 10.04.2024

Trade name: Plastic Adhesion Promoter

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- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system. Do not allow undiluted product or large quantities of it to reach ground water,

water course or sewage system.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for

water

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Must not be disposed together with household garbage. Do not allow product to · Recommendation

	reach sewage system.				
	· European waste catalogue				
	08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS			
	08 01 00 wastes from MFSU and removal of paint and varnish				
08 01 11* waste paint and varnish containing organic solvents or other hazardous substances		waste paint and varnish containing organic solvents or other hazardous substances			
	15 00 00	5 00 00 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED			
	15 01 00	15 01 00 packaging (including separately collected municipal packaging waste)			
	15 01 04 metallic packaging				
	15 00 00 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTI CLOTHING NOT OTHERWISE SPECIFIED				
	15 01 00	packaging (including separately collected municipal packaging waste)			
	15 01 10*	packaging containing residues of or contaminated by hazardous substances			

Uncleaned packaging:

· Recommendation: Empty contaminated packagings thoroughly. They may be recycled after

thorough and proper cleaning.

SECTION 14: Transport information

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

· 14.2 UN proper shipping name

1950 AEROSOLS · ADR **AEROSOLS** · IMDG

· IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

· ADR



Class 2 5F Gases.

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Contd. of page 11) Label 2.1 IMDG, IATA Class 2.1 Gases 2.1 14.4 Packing group ADR, IMDG, IATA Als Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Code Stowage Code Stowage Code Stowage Code Segregation Code Segregation Code Segregation Code Segregation as for class 9. Stow "separated from" class 1 Segregation as for class 9. Stow "separated from" class 1 Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS with a maximum capacity of 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS with a maximum capacity of 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS with a maximum capacity of 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS with a maximum	<u>Trade name:</u> Plastic Adhesion Promoter				
Class 2.1 Gases. Label 2.1		(Contd. of page 11)			
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· UN "Model Regulation": UN 1950 AEROSOLS. 2.1	· Limited quantities (LQ)	Code: E0			
	· <u>UN "Model Regulation":</u>	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

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· Qualifying quantity (tonnes) for the

application of lower-tier

<u>requirements</u> 150 t

Qualifying quantity (tonnes) for the

application of upper-tier

requirements 500 t

REGULATION (EC) No 1907/2006

ANNEX XVII Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be

observed.

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

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU 690.2 g/l

15.2 Chemical safety

<u>assessment:</u> 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.

This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Department issuing SDS:
 Date of previous version:
 Laboratory
 04.11.2022

· Version number of previous

version:

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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)

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

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CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values

Flam. Gas 1A: Flammable gases - Category 1A

Aerosol 1: Aerosols – Category 1

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

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