

Safety Data Sheet according to WHS Regulations

Printing date 07.08.2023

Version number 4

Revision: 07.08.2023

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Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

· Product identifier

· Trade name: Palabond

• **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.

· Application of the substance / the mixture Auxiliary for manufacture of dental prothesis

· Details of the supplier of the safety data sheet

Manufacturer/Supplier: Kulzer Australia Pty Ltd Unit 20, 53 Lorraine St PEAKHURST NSW 2210 Australia

Tel: +61 (02) 9153 0311

· Informing department: see above

• Emergency telephone number:

Poison Information Number: Australia 13 11 26 & New Zealand 0800 764 766

2 Hazard(s) Identification

Classification of the substance or mixture

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

- Skin Corr. 1A H314 Causes severe skin burns and eye damage.
- Eye Dam. 1 H318 Causes serious eye damage.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- STOT SE 3 H335 May cause respiratory irritation.

· Label elements

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS). • Hazard pictograms



· Signal word Danger

- Hazard-determining components of labelling: methyl methacrylate methacrylic acid
 1,4-butandioldimethacrylate
 Hazard statements Highly flammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation.
 Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not breathe mist/vapours/spray.
- Wear protective gloves / eye protection.
- Wear protective clothing.
- IF ON SKIN: Wash with plenty of soap and water.

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If eye irritation persists: Get medical advice/attention. · Other hazards -Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

	characterisation: Mixtures otion: Product based on methacrylates	
[.] Danger	ous components:	
80-62-6	methyl methacrylate Flam. Liq. 2, H225 Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	75-90%
	methacrylic acid Skin Corr. 1A, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 1 %	5%
2082-81-7	1,4-butandioldimethacrylate Skin Sens. 1B, H317	<i>≥</i> 1- <i>≤</i> 5%

4 First Aid Measures

- · After inhalation Supply fresh air; consult doctor in case of symptoms.
- · 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. If symptoms persist, consult doctor.
- · After swallowing

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

- Product based on methacrylates
- · Information for doctor
 - Most important symptoms and effects, both acute and delayed No further relevant information available.
 - Indication of any immediate medical attention and special treatment needed
 - No further relevant information available.

5 Fire Fighting Measures	
· Suitable extinguishing agents CO2, sand, extinguishing powder. Do not use water.	
· For safety reasons unsuitable extinguishing agents Water.	
· Special hazards arising from the substance or mixture	
Can form explosive gas-air mixtures.	
Formation of toxic gases is possible during heating or in case of fire.	

- · Protective equipment: No special measures required.
- · Additional information -

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6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Avoid contact with eyes and skin.

• Environmental precautions: Prevent material from reaching sewage system, holes and cellars. • Methods and material for containment and cleaning up: Absorb with liquid-binding material (diatomite, universal binders, for small amounts tissues).

Do not flush with water or aqueous cleansing agents Send for recovery or disposal in suitable containers.

Reference to other sections See Section 13 for information on disposal. See Section 8 for information on personal protection equipment.

7 Handling and Storage

· Handling

Precautions for safe handling

Keep containers tightly sealed.

Keep away from heat and direct sunlight.

Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect from heat.

Protect against electrostatic charges.

· 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 cool (not above 25 °C). Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

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

Additiona	l information about design of technica	I systems: No further data; see section
Compone	ents with critical values that require mo	nitoring at the workplace:
30-62-6 m	ethyl methacrylate	
	ort-term value: 416 mg/m³, 100 ppm g-term value: 208 mg/m³, 50 ppm	
79-41-4 m	ethacrylic acid	
NES Lon	g-term value: 70 mg/m³, 20 ppm	
· DN	ELs	
30-62-6 m	ethyl methacrylate	
Oral	general population, long term, systemic	8.2 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	13.67 mg/Kg/d (not defined)
	general population, long term, systemic	8.2 mg/Kg/d (not defined)
	worker industrial, acute, local	416 mg/m3 (not defined)



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	worker industrial, long te	rm systemic	348.4 mg/m3 (not defined)	(Contd. of page
	worker industrial, long te		208 mg/m3 (not defined)	
	general population, acute		208 mg/m3 (not defined)	
general population, long t			74.3 mg/m3 (not defined)	
79-41-4 m	ethacrylic acid			
Oral	general population, long	term. svstemic	5.35 mg/Kg (not defined)	
Dermal	worker industrial, long te	-	4.25 mg/Kg/d (not defined)	
	general population, long	-	5.35 mg/Kg/d (not defined)	
Inhalative	worker industrial, long te	-	39.3 mg/m3 (not defined)	
	worker industrial, long term, local		44 mg/m3 (not defined)	
	general population, long		11.7 mg/m3 (not defined)	
	general population, long term, local		8.8 mg/m3 (not defined)	
2082-81-7	1,4-butandioldimethaci	rylate		
Oral	general population, long	term, systemic	2.5 mg/Kg (not defined)	
Dermal	worker industrial, long te	rm, systemic	4.2 mg/Kg/d (not defined)	
	general population, long		2.5 mg/Kg/d (not defined)	
Inhalative	worker professional, long	-	- · · · · · · · · · · · · · · · · · · ·	
	general population, long	term, systemic	4.3 mg/m3 (not defined)	
· PNI	ECs			
80-62-6 m	ethyl methacrylate			
freshwate	r	0.94 mg/l (not c	defined)	
marine wa		0.094 mg/l (not		
-	eatment plant	10 mg/l (not de	,	
	dry weight, freshwater	10.2 mg/Kg (no		
	dry weight, marine water	0.102 mg/Kg (not defined)		
soil, dry w		1.48 mg/Kg (no	t defined)	
	ethacrylic acid			
freshwater		0.82 mg/l (not c		
marine wa		0.082 mg/l (not		
-	eatment plant	100 mg/l (not d		
	dry weight, freshwater	3.09 mg/Kg (no		
	dry weight, marine water		,	
soil, dry w	eignt ' 1,4-butandioldimethaci	0.137 mg/Kg (n wlate		
freshwater		0.043 mg/l (not	defined)	
marine wa		0.004 mg/l (not		
sewage treatment plant		2 mg/l (not defi		
sediment, dry weight, freshwater		3.12 mg/Kg (no		
sediment, dry weight, marine water				
soil, dry weight		0.573 mg/Kg (n		
• Personal • Genera Keep a	onal information: The lis protective equipment al protective and hygien way from foodstuffs, beve ly remove any soiled and	ic measures erages and food.	d during the compilation were u ments.	
				(Contd. on pag



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Wash hands during breaks and at	
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Avoid contact with the eyes and sk	ine end of the work.
Breathing equipment:	
Not neccessary with efficient loca	al exhaust. If exposition to vapours is possible, use breathing
protective mask (filter A).	
· Protection of hands:	
	permeable and resistant to the product/ the substance/ the
preparation.	permeasie and resistant to the product/ the substance/ the
	equal develops of the negative times, we take of diffusion and the
	consideration of the penetration times, rates of diffusion and the
degradation	
	ed, protective gloves are recommended to avoid possible
sensitization.	
Solvent resistant gloves	
Check protective gloves prior to ea	nch use for their proper condition.
recommended	
· Material of gloves	
	oves does not only depend on the material, but also on further
marks of quality and varies from	n manufacturer to manufacturer. As the product is a preparation istance of the glove material can not be calculated in advance
· Penetration time of glove ma	
The exact break trough time ha	as to be found out by the manufacturer of the protective gloves
and has to be observed.	
	of a maximum of 15 minutes gloves made of the following
materials are suitable:	
Butyl rubber, BR	
Nitrile rubber, NBR	
• Eye protection: Tightly sealed sat	fety glasses
• Body protection: Light weight pro	tective clothing
Body protection. Light weight pro	
9 Physical and Chemical Prope	ortios
s Filysical and Chemical Flope	11163
General Information	
· Appearance:	Fluid
Appearance: Form:	Fluid Colourless
· Appearance: · Form: · Colour:	Colourless
· Appearance: · Form: · Colour: · Smell:	Colourless Characteristic
 Appearance: Form: Colour: Smell: Odour threshold: 	Colourless Characteristic Not determined.
Appearance: Form: Colour: Smell: Odour threshold: pH-value:	Colourless Characteristic
Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition	Colourless Characteristic Not determined. Mixture is non-soluble (in water).
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined
Appearance: Form: Colour: Smell: Odour threshold: PH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r Flash point: Inflammability (solid, gaseous) 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable.
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r Flash point: Inflammability (solid, gaseous) Auto-ignition temperature: 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r Flash point: Inflammability (solid, gaseous) 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable.
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r Flash point: Inflammability (solid, gaseous) Auto-ignition temperature: Decomposition temperature: 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r Flash point: Inflammability (solid, gaseous) Auto-ignition temperature: Decomposition temperature: 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C Not determined.
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C Not determined. Product is not selfigniting.
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C Not determined. Product is not selfigniting. Product is not explosive. However, formation of explosive
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r Flash point: Inflammability (solid, gaseous) Auto-ignition temperature: Decomposition temperature: SAPT Palabond > 60 °C Self-inflammability: Explosive properties: 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C Not determined. Product is not selfigniting.
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r Flash point: Inflammability (solid, gaseous) Auto-ignition temperature: Decomposition temperature: SAPT Palabond > 60 °C Self-inflammability: Explosive properties: Critical values for explosion: 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C Not determined. Product is not selfigniting. Product is not explosive. However, formation of explosive
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/freezing point: Initial boiling point and boiling r Flash point: Inflammability (solid, gaseous) Auto-ignition temperature: Decomposition temperature: SAPT Palabond > 60 °C Self-inflammability: Explosive properties: 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C Not determined. Product is not selfigniting. Product is not explosive. However, formation of explosive
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C Not determined. Product is not selfigniting. Product is not selfigniting. Product is not explosive. However, formation of explosive air/vapour mixtures is possible. 2.1 Vol %
 Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition 	Colourless Characteristic Not determined. Mixture is non-soluble (in water). Not determined ange: 100 °C 10 °C Not applicable. 370.0 °C Not determined. Product is not selfigniting. Product is not selfigniting. Product is not explosive. However, formation of explosive air/vapour mixtures is possible.



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· Other information	No further relevant information available.	
· kinematic:	Not determined.	
· dynamic at 20 °C:	1 mPas	
· Viscosity:		
· Partition coefficient: n-octanol/	water: Not determined.	
 Solubility in / Miscibility with Water: 	Not miscible or difficult to mix	
Evaporation rate	Not determined.	
· Vapour density	Not determined.	
· Relative density	Not determined.	
· Density at 20 °C	0.940 g/cm³	
Steam pressure at 20 °C:	47 hPa	
· Upper:	12.5 Vol %	

10 Stability and Reactivity

· Reactivity No further relevant information available.

- · Conditions to be avoided: No decomposition if used and stored according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known
- Conditions to avoid No further relevant information available.
 Incompatible materials: No further relevant information available.
 Hazardous decomposition products: None
- · Additional information:

If stored longer than recommended and/or above recommended temperature, product may polymerize generating heat.

11 Toxicological Information

· Information on toxicological effects

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

· I D/I C50 values that are relevant for classification:

	ethyl met	hacrylate	
Oral	LD50	~7,900 mg/kg (rat)	
Dermal	LD50	>5,000 mg/kg (guinea pig) (OECD 402)	
Inhalative	LC50/4 h	29.8 mg/l (rat)	
79-41-4 m	ethacrylic	acid	
Oral	LD50	1,320 mg/kg (ATE)	
		1,320 mg/kg (rat) (OECD 401)	
Dermal	LD50	500 mg/kg (ATE)	
		500-1,000 mg/kg (rabbit)	
Inhalative	LC50/4 h	11 mg/l (ATE)	
		7.1 mg/l (rat) (OECD 403)	
2082-81-7	1,4-butar	dioldimethacrylate	
Oral	LD50	10,066 mg/kg (rat) (OECD 401)	
Cause: • Seriou	s eye dan	rritation kin burns and eye damage. hage/irritation ye damage.	
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· Respiratory or skin sensitisation

May cause an allergic skin reaction. • Germ cell mutagenicity Based on available data, the classification criteria are not met. • Carcinogenicity Based on available data, the classification criteria are not met.

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

STOT-single exposure May cause respiratory irritation.
 STOT-repeated exposure Based on available data, the classification criteria are not met.
 Aspiration hazard Based on available data, the classification criteria are not met.

Toxicity		
Aquatic t	oxicity:	
80-62-6 meth	hyl methacrylate	
EC50/21d	49 mg/L (daphnia) (OECD 211)	
EC50/48h	69 mg/l (daphnia) (EPA OTS 797.1300)	
NOEC / 21d	37 mg/l (daphnia) (OECD 211)	
ErC50 / 72 h	>110 mg/l (algae) (OECD 201)	
NOEC / 72h	110 mg/l (algae) (OECD 201)	
NOEC / 48h	48 mg/l (daphnia) (EPA OTS 797.1300)	
EbC50 / 72h	>110 mg/l (algae) (OECD 201)	
NOEC/ 35d	9.4 mg/L (fish) (OECD 210)	
LC50/ 35d	33.7 mg/L (fish) (OECD 210)	
79-41-4 meth	hacrylic acid	
EC50/48h	>130 mg/l (daphnia) (EPA OTS 797.1300)	
LC50/96h	85 mg/l (fish) (EPA OTS 797.1400)	
NOEC / 21d	53 mg/l (daphnia)	
ErC50 / 72 h	45 mg/l (algae) (OECD 201)	
NOEC / 72h	8.2 mg/l (algae) (OECD 201)	
NOEC / 96h	12 mg/l (fish) (EPA OTS 797.1400)	
NOEC / 48h	130 mg/l (daphnia) (EPA OTS 797.1300)	
NOEC/ 35d	10 mg/L (fish) (OECD 210)	
LC50/ 35d	42 mg/L (fish) (OECD 210)	
2082-81-7 1,4	4-butandioldimethacrylate	
EC50/21d	14.1 mg/L (daphnia) (OECD 211)	
EC50/48h	32.5 mg/l (fish)	
NOEC / 21d	5.09 mg/l (daphnia) (OECD 211)	
ErC50 / 72 h	9.79 mg/l (algae) (OECD 201)	
NOEC / 72h	2.11 mg/l (algae) (OECD 201)	
NOEC / 48h	25 mg/l (fish)	
ErC10/72h	4.35 mg/L (algae) (OECD 201)	
	and degradability	
	hyl methacrylate	
Biodegradatio	on 94 % /14d (not defined) (OECD 301C)	



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(Contd. of page 7) 79-41-4 methacrylic acid Biodegradation 86 % /28d (not defined) (OECD 301D) 2082-81-7 1.4-butandioldimethacrylate Biodegradation 84 % /28d (not defined) (OECD 310) · Behaviour in environmental systems: Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. · Additional ecological information: General notes: Do not allow product to reach ground water, water bodies or sewage system. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Danger to drinking water if even small quantities leak into soil. · Results of PBT and vPvB assessment PBT: Not applicable. · vPvB: Not applicable. • Other adverse effects No further relevant information available. 13 Disposal considerations Waste treatment methods Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations. · Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. Non contaminated packagings can be used for recycling. 14 Transport information · UN-Number UN2924 · ADG, IMDG, IATA UN proper shipping name ÀDĠ 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHYL METHACRYLATE MONOMER, STABILIZED, METHACRYLIC ACID, STABILIZED) FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHYL METHACRYLATE MONOMER, STABILIZED, METHACRYLIC ACID, STABILIZED) · IMDG, IATA · Transport hazard class(es) · ADG 3 (FC) Flammable liquids. · Class (Contd. on page 9) AU



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Trade name: Palabond (Contd. of page 8) 3+8 · Label ·IMDG 3 Flammable liquids. · Class · Label 3/8 ·IATA · Class 3 Flammable liquids. · Label 3 (8) · Packing group · ADG, IMDG, IATA \parallel · Environmental hazards: Marine pollutant: No · Special precautions for user Warning: Flammable liquids. · Kemler Number: 338 · EMS Number: F-E,S-C · Segregation groups · Stowage Category Acids В · Stowage Code SW2 Clear of living quarters. · Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. · Transport/Additional information: · ADG · Limited quantities (LQ) 1L · Excepted quantities (ÉQ) Code: E2 Maximum net quantity per inner packaging: 30 тI Maximum net quantity per outer packaging: 500 тI 2 Transport category D/E · Tunnel restriction code ·IMDG · Limited quantities (LQ) 1L Code: E2 · Excepted quantities (ÉQ) Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml (Contd. on page 10) AU



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· UN "Model Regulation":

(Contd. of page 9) UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHYL METHACRYLATE MONOMER, STABILIZED, METHACRYLIC ACID, STABILIZED), 3 (8), II

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · Australian Inventory of Industrial Chemicals

80-62-6 methyl methacrylate

79-41-4 methacrylic acid

2082-81-7 1,4-butandioldimethacrylate

5137-55-3 methyltrioctylammonium chloride

131-57-7 Oxybenzone

13395-16-9 copper(II) 4-oxopent-2-en-2-olate

150-76-5 mequinol

7732-18-5 water, distilled, conductivity or of similar purity

· Directive 2012/18/EU

• Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t

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

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**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

Abbreviations and acronyms:

SAPT: Self Accelerating Polymerisation Temperature 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 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) DNEI : Derived No-Effect Level (BEACH)

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 vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

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Skin Corr. 1A: Skin corrosion/irritation – Category 1A Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1B: Skin sensitisation – Category 1B STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 • * **Data compared to the previous version altered.**

AU —