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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

 Product name
 :
 MOBIHEL 2:1 SPEEDY CLEARCOAT ANTI SCRATCH

 Product code
 :
 47053802

Manufacturer or supplier's details Details of the supplier of the safety data sheet

Company	:	Helios Coatings Australia Pty Ltd 50 Clapham Road SEFTON NSW 2162 Australia
Telephone E-mail address Responsi-		61 2 9645 3188 61 2 9645 3188

E-mail address Responsi-	Ξ.	61 2 9645 3188
ble/issuing person		info@helioscoatings.com.au

Emergency telephone number

112 (mobile) Ambulance 000, Poisons Information Centre: 131 126

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Flammable liquids	:	Category 3
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
GHS label elements Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness.
Precautionary statements	:	 Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting equipment.



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P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing mist or vapours.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
n-butyl acetate	123-86-4	>= 30 -< 60
Hydrocarbons, C9 aromatics	128601-23-0	>= 1 -< 10
isobutyl acetate	110-19-0	< 10
mixture of benzotriazole	104810-48-2	< 1
Reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperidyl sebacate	1065336-91-5	< 1

SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	:	Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical



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			advice.	
In case	e of skin contact	:	If on skin, rinse well wit If on clothes, remove cl	
In case	e of eye contact	:	Flush eyes with water a Remove contact lenses Protect unharmed eye. Keep eye wide open wi If eye irritation persists,	hile rinsing.
If swall	lowed	:	Keep respiratory tract of Do not give milk or alco Never give anything by If symptoms persist, ca	holic beverages. mouth to an unconscious person.
	nportant sympto fects, both acute d		None known.	
Notes	to physician	:	Treat symptomatically.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	No hazardous combustion products are known
Specific extinguishing meth- ods	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored sepa- rately in closed containments. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Hazchem Code	:	•3Y

SECTION 6. ACCIDENTAL RELEASE MEASURES

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t	tive equ	al precautions, p ipment and em rocedures			Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentra- tions. Vapours can accumulate in low areas.
E	Environ	mental precauti	ons :		Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
		s and materials ment and cleani			Contain spillage, and then collect with non-combustible ab- sorbent material, (e.g. sand, earth, diatomaceous earth, ver- miculite) and place in container for disposal according to local / national regulations (see section 13).
SECT	FION 7.	HANDLING A		R/	AGE
		on protection aç explosion	gainst :		Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.
F	Advice	on safe handlin	g :	:	Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the ap- plication area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
ŀ	Hygiene	emeasures	:		Wash hands before breaks and at the end of workday.
C	Conditio	ons for safe stor	age :	:	No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.



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Further information on stor- : No decomposition if stored and applied as directed. age stability

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
n-butyl acetate	123-86-4	STEL	200 ppm	AU OEL
			950 mg/m3	
		TWA	150 ppm	AU OEL
			713 mg/m3	
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
isobutyl acetate	110-19-0	TWA	150 ppm	AU OEL
-			713 mg/m3	
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH

Components with workplace control parameters

Personal protective equipm	ent	
Pospiratory protoction		

Respiratory protection	:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Filter type	:	Organic vapour type
Hand protection		
Gloves	:	│ Viton® (> 0,6 mm; < 240 min); DIN EN374 │ │ PE laminate (> 0,1 mm; < 240 min); DIN EN374 │
Remarks	:	Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local condi- tions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Eye protection	:	Equipment should conform to EN 166 Eye wash bottle with pure water Tightly fitting safety goggles
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and con- centration of the dangerous substance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

: liquid



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	Colour			:	colourless	
	Odour			:	solvent-like	
	Odour 1	Threshold		:	No data available	
	рН			:	Not applicable	
	Melting	point/freezing point/	oint	:	-78.0 °C (calculation method (prin	cipal components, lowest value))
	Boiling	point/boiling ran	ge	:	126 °C (calculation method (prin	cipal components, lowest value))
	Flash p	oint		:	24 °C	
	Flamma	ability (solid, gas)	:	Static-accumulating flam	mable liquid., Combustible Solids
		explosion limit / L bility limit	Jpper	:	7.5 %(V)	
		explosion limit / L bility limit	ower	:	1.2 %(V)	
	Vapour	pressure		:	< 1,100 hPa (50 °C)	
	Relative	e vapour density		:	4	
	Relative	e density		:	No data available	
	Density			:	0.991 g/cm3	
	Solubili Wate	ty(ies) er solubility		:	immiscible, partly soluble	9
	Solu	bility in other sol	lvents	:	Description: miscible with	h most organic solvents
	Partition octanol	n coefficient: n- /water		:	log Pow: < 4	
	Auto-igi	nition temperatu	re	:	425 °C	
	Decom	position tempera	iture	:		ed and applied as directed. on products formed under fire condi-
	Viscosit Visc	ty osity, kinematic		:	> 20.5 mm2/s (40 °C)	



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Flow	time	: 90 - 100 s (20 ° Cross section: 4 Method: DIN 53	mm
Explo	sive properties	: Not applicable	
Oxidiz	zing properties	: Sustains combu	stion
VOC		: (Directive 2004/ 580 g/l	42/EC)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Incompatible with strong acids and bases.
Hazardous decomposition products	:	Adequate ventilation is required. Heating can release vapours which can be ignited. Carbon monoxide, carbon dioxide and unburned hydrocar- bons (smoke).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Components:	
n-butyl acetate: Acute oral toxicity:Acute dermal toxicity:	
Hydrocarbons, C9 aromatics: Acute dermal toxicity : Skin corrosion/irritation	LD50 (Rabbit): > 3,160 mg/kg
Product: Remarks	May cause skin irritation and/or dermatitis.

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Seri	ous eye damage/	/eye irritati	on	
Pro	duct:			
Rem	narks	:	Vapours m and the ski	ay cause irritation to the eyes, respiratory system n.
Res	piratory or skin s	ensitisatio	on	
Pro	duct:			
Rem	narks	:	Causes se	nsitisation.
<u>Con</u>	nponents:			
mix	ture of benzotriaz	zole:		
Res	ult	:	Probability	or evidence of skin sensitisation in humans
mix	ture of sterically	composed	sebacates	
Res	ult	:	May cause	sensitisation by skin contact.
Chr	onic toxicity			
Rep	roductive toxicity	y		
<u>Con</u>	nponents:			
mixt	ture of sterically	composed	sebacates	
	roductive toxicity - sment	As- :		ence of adverse effects on sexual function and ed on animal experiments.
STC)T - single exposi	ure		
<u>Con</u>	nponents:			
n-bu	utyl acetate:			
Asse	essment	:	May cause	drowsiness or dizziness.
Hyd	rocarbons, C9 ar	omatics:		
Asse	essment	:	May cause	drowsiness or dizziness.
Asse	essment	:	May cause	respiratory irritation.
isob	outyl acetate:			
	essment	:	May cause	drowsiness or dizziness.



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Aspiration toxicity

Components:

Hydrocarbons, C9 aromatics:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

n-butyl acetate:

n-butyl acetate:		
Toxicity to algae/aquatic plants	:	NOEC (Desmodesmus subspicatus (green algae)): > 200 mg/l
		EC50 (Desmodesmus subspicatus (green algae)): >= 647.7 mg/l Exposure time: 72 h
Toxicity to microorganisms	:	IC50 (Tetrahymena pyriformis): 356 mg/l Exposure time: 40 h
Hydrocarbons, C9 aromatics	s:	
Toxicity to fish	:	LC50 (Fish): >= 9.2 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): >= 3.2 mg/l Exposure time: 48 h
Ecotoxicology Assessment Chronic aquatic toxicity	:	Toxic to aquatic life with long lasting effects.
mixture of benzotriazole:		
Ecotoxicology Assessment		
Chronic aquatic toxicity	:	Toxic to aquatic life with long lasting effects.

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mixtu	re of sterically o	composed	sebacates:	
	xicology Asses			
Acute	aquatic toxicity	:	Very toxic to aqua	atic life.
Chron	ic aquatic toxicity	/ :	Very toxic to aqua	atic life with long lasting effects.
Persi	stence and degr	adability		
<u>Comp</u>	oonents:			
n-but	yl acetate:			
Biode	gradability	:	Result: Biodegrad Biodegradation: 8 Exposure time: 28 Method: OECD T	33 %
Stabili	ity in water	:	Degradation half I Remarks: Hydroly	
Photo	degradation	:	Remarks: Decom	poses rapidly in contact with light.
Bioac	cumulative pote	ential		
<u>Comp</u>	onents:			
n-but	yl acetate:			
Bioac	cumulation	:		factor (BCF): 15 umulation is unlikely.
	on coefficient: n- ol/water	:	log Pow: 1.81	
Hydro	ocarbons, C9 are	omatics:		
Partiti	on coefficient: n- ol/water		log Pow: < 4	
isobu	tyl acetate:			
	on coefficient: n- ol/water	:	log Pow: 1.72	
mixtu	re of sterically o	composed	sebacates:	
	on coefficient: n- ol/water	:	log Pow: 2.37 - 2. pH: 7	77
Mobil	ity in soil			
Comr	onents:			



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Mobili	ty	:	Medium: Air Content: 92.9 %	
			Medium: Water Content: 3.5 %	
			Medium: Soil Content: 1.9 %	
			Medium: Sediment Content: 1.8 %	
	oution among env al compartments	viron- :	Koc: 1.71 - 14.70 Remarks: Mobile in soil	S
			Remarks: The product	is insoluble and floats on water.
Other	adverse effects	5		
Produ	uct:			
Additi matio	onal ecological ir n	ifor- :	unprofessional handling	rd cannot be excluded in the event of g or disposal. vith long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues	ourses or the soil. o not contaminate por al or used container.	be allowed to enter drains, water nds, waterways or ditches with chemi- te management company.
Contaminated packaging	mpty remaining conter vispose of as unused p to not re-use empty co to not burn, or use a cu	roduct.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG		
UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
IATA-DGR		



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Class Packin Labels Packin aircra	r shipping name ng group s ng instruction (ca ft) ng instruction (pa	rgo :	UN 1263 Paint 3 III Flammable Liquids 366 355	
UN nu Prope Class	r shipping name	:	UN 1263 PAINT 3 III	
Labels EmS (S	:	3 F-E, <u>S-E</u> no	

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG		
UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	
Labels	:	3
Hazchem Code	:	•3Y

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform : Schedule 7 Scheduling of Medicines and Poisons

Prohibition/Licensing Requirements

: There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.



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SECTION 16. OTHER INFORMATION

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Full text of other abbreviations

ACGIH AU OEL		USA. ACGIH Threshold Limit Values (TLV) Australia. Workplace Exposure Standards for Airborne Con- taminants.
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
AU OEL / TWA	:	Exposure standard - time weighted average
AU OEL / STEL	:	Exposure standard - short term exposure limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guid-



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ance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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