

Vers 1.1	sion	Revision Date: 07.02.2025		umber: 0400931	Date of last issue: 16.11.2023 Date of first issue: 16.11.2023		
SEC	TION 1 Produc	: IDENTIFICATION t name	:	MOBIHEL 2	2:1 HS CLEARCOAT FastDry		
	Produc	t code	:	40093104			
		acturer or supplier' of the supplier of			eet		
	Compa		:	-	ngs Australia Pty Ltd Road		
		one address Responsi- iing person	:	61 2 9645 3 61 2 9645 3 info@heliose			
	Emerge	ency telephone nu	mber				
	112 (m	obile) Ambulance 0	00, Pois	sons Informa	ation Centre: 131 126		
SEC	TION 2	. HAZARDS IDENT	IFICAT	ON			
	GHS Classification						
		able liquids	:	Category 3			
	Skin se	nsitisation	:	Category 1			
		c target organ toxicit exposure	y-:	Category 3	(Central nervous system)		
		bel elements pictograms	:				
	Signal	word	:	Warning			
	Hazard	statements	:	H317 May 0	mable liquid and vapour. cause an allergic skin reaction. cause drowsiness or dizziness.		
	Precau	tionary statements	:	and other ic P233 Keep P240 Grou	away from heat, hot surfaces, sparks, open flames gnition sources. No smoking. container tightly closed. nd and bond container and receiving equipment. explosion-proof electrical/ ventilating/ lighting equip-		



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		P261 Avoid bre P271 Use only P272 Contamin the workplace. P280 Wear pro	esparking tools. ion to prevent static discharges. eathing mist or vapours. outdoors or in a well-ventilated area. nated work clothing should not be allowed out of ptective gloves/ protective clothing/ eye protec- ction/ hearing protection.
		Response:	
		ly all contamina P304 + P340 + and keep comf doctor if you fe P333 + P313 If vice/ attention. P362 + P364 T reuse. P370 + P378 In	 P353 IF ON SKIN (or hair): Take off immediate ated clothing. Rinse skin with water. P312 IF INHALED: Remove person to fresh air ortable for breathing. Call a POISON CENTER/ el unwell. skin irritation or rash occurs: Get medical ad- Take off contaminated clothing and wash it befor in case of fire: Use dry sand, dry chemical or int foam to extinguish.
		tightly closed.	Store in a well-ventilated place. Keep container Store in a well-ventilated place. Keep cool.
		Disposal:	
		-	of contents/ container to an approved waste
	r hazards which do known.	o not result in classifica	tion
SECTION	3. COMPOSITION		REDIENTS
Subs	tance / Mixture	: Mixture	
Com	ponents		

Chemical name	CAS-No.	Concentration (% w/w)
n-butyl acetate	123-86-4	>= 20 -< 30
heptan-2-one	110-43-0	>= 10 -< 20
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
glycol dimercaptopropionate	22504-50-3	>= 0.1 -< 10
dibutyltin dilaurate	77-58-7	< 0.3

SECTION 4. FIRST AID MEASURES

SAFETY DATA SHEET



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	General advice If inhaled		 Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice. 			
In ca	se of skin contact		on skin, rinse w on clothes, rem			
In ca	se of eye contact	F F K	Remove contact l Protect unharmed Geep eye wide op			
lf swa	allowed	C N If	lever give anythi	tract clear. or alcoholic beverages. ng by mouth to an unconscious person. ist, call a physician. idiately to hospital.		
	important symptoms effects, both acute an /ed			ergic skin reaction. iness or dizziness.		
Note	s to physician	: Т	reat symptomati	cally.		
		Т	reat symptomati	cally.		

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	:	In the event of fire, wear self-contained breathing apparatus.



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for fir	efighters					
Hazo	hem Code	:	•3Y			
SECTION	6. ACCIDENTAL REI	LEAS	E MEASURES			
tive e	onal precautions, prote equipment and emer- y procedures	9C- :	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.			
Envir	ronmental precautions	:	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.			
	ods and materials for ainment and cleaning u	: ID	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).			
SECTION	SECTION 7. HANDLING AND STORAGE					
	ce on protection agains nd explosion	st :	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.			
Advid	ce on safe handling	:	 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 application 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. 			
Hygie	ene measures	:	When using do not eat or drink. When using do not smoke			



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			kept upright to Observe label Electrical insta	hich are opened must be carefully resealed and o prevent leakage. I precautions. allations / working materials must comply with ical safety standards.
	er information on sto tability	r- :	No decompos	sition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis		
		exposure)	concentration			
n-butyl acetate	123-86-4	STEL	200 ppm 950 mg/m3	AU OEL		
		TWA	150 ppm 713 mg/m3	AU OEL		
		TWA	50 ppm	ACGIH		
		STEL	150 ppm	ACGIH		
heptan-2-one	110-43-0	TWA	50 ppm 233 mg/m3	AU OEL		
		TWA	50 ppm	ACGIH		
isobutyl acetate	110-19-0	TWA	150 ppm 713 mg/m3	AU OEL		
		TWA	50 ppm	ACGIH		
		STEL	150 ppm	ACGIH		
dibutyltin dilaurate	77-58-7	TWA	0.1 mg/m3 (Tin)	AU OEL		
	Further infor	Further information: Skin absorption				
		STEL	0.2 mg/m3 (Tin)	AU OEL		
	Further infor	Further information: Skin absorption				
		TWA	0.1 mg/m3 (Tin)	ACGIH		
		STEL	0.2 mg/m3 (Tin)	ACGIH		

Components with workplace control parameters

Personal protective equipment

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		
Remarks	:	The suitability for a specific workplace should be discussed



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			Please observe the breakthrough time w gloves. Also take int	of the protective gloves. instructions regarding permeability and which are provided by the supplier of the o consideration the specific local condi- e product is used, such as the danger of 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		:		tion according to the amount and con- ngerous substance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	colourless
Odour	:	solvent-like
Odour Threshold	:	No data available
рН	:	Not applicable
Melting point/freezing point	:	-98.8 °C (calculation method (principal components, lowest value))
Boiling point/boiling range	:	117 °C (calculation method (principal components, lowest value))
Flash point	:	25 °C
		Method: ISO 3679, closed cup
Flammability (solid, gas)	:	Static-accumulating flammable liquid., Combustible Solids
Upper explosion limit / Upper flammability limit	:	10.5 %(V)
Lower explosion limit / Lower flammability limit	:	1.2 %(V)
Relative vapour density	:	No data available
Relative density	:	No data available



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	Density Solubility(ies) Water solubility		:	0.979 g/cm3			
			:	partly miscible			
	Solu	ıbility in other solver	nts :	s : Description: miscible with most organic solvents			
	Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature Viscosity Viscosity, kinematic Flow time Explosive properties		:	log Pow: 1.98			
			:	393 °C			
			e :		stored and applied as directed. osition products formed under fire condi-		
			:	> 20.5 mm2/s (40 °	C)		
			:	18 - 23 s (20 °C) Cross section: 4 mm Method: DIN 53211	1		
			:	Not applicable			
	Oxidiziı	ng properties	:	Sustains combustion	n		
	VOC		:	(Directive 2004/42/E 420 g/l	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	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

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Acute	e oral toxicity	:	Acute toxicity es Method: Calcula	timate: > 2,000 mg/kg tion method
Acute	Acute inhalation toxicity		Acute toxicity es Exposure time: Test atmosphere Method: Calcula	e: vapour
<u>Com</u>	ponents:			
n-but	yl acetate:			
Acute	oral toxicity	:	LD50 Oral (Rat)	: >= 10,760 mg/kg
Acute	e dermal toxicity	:	LD50 (Rabbit): >	>= 5,000 mg/kg
hepta	an-2-one:			
Acute	e oral toxicity	:	Assessment: Th single ingestion.	e component/mixture is moderately toxic after
Acute	inhalation toxicity	:	Test atmosphere Assessment: Th short term inhale	e component/mixture is moderately toxic after
ethyle	ethylene bis(3-mercaptopropionate):			
Acute	e oral toxicity	:	LD50 Oral (Rat)	: 668 mg/kg
Acute	e dermal toxicity	:	LD50 Dermal (R	at): 2,000 mg/kg
	corrosion/irritation lassified based on av		information.	
Produ	uct:			
Rema	arks	:	May cause skin	irritation and/or dermatitis.
	us eye damage/eye lassified based on a			
Produ	uct:			
Rema	arks	:	Vapours may ca and the skin.	use irritation to the eyes, respiratory system
Com	ponents:			
-	ene bis(3-mercapto	propio	•	
Resu	lt	:	Eye irritation	
dibut	yltin dilaurate:			
Resu	lt	:	Eye irritation	



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Respi	Respiratory or skin sensitisation									
Skin sensitisation May cause an allergic skin reaction.										
Respiratory sensitisation Not classified based on available information. Product:										
						Product: Remarks : Causes sensitisation.				
Comp	onents:									
mixtu	re of benzotriazol	:								
Resul	t	: Probability or evidence of skin ser	nsitisation in humans							
_										
	-	posed sebacates:								
Resul	[: May cause sensitisation by skin c	ontact.							
ethvle	ene bis(3-mercapto	propionate):								
Resul	• •	: The product is a skin sensitiser, s	ub-category 1A.							
dibuty	ltin dilaurate:									
Resul	t	: Probability or evidence of skin ser	nsitisation in humans							
Chronic toxicity Germ cell mutagenicity										
				Not classified based on available information.						
Comp	onents:									
	/Itin dilaurate:									
-	cell mutagenicity -	: In vitro tests showed mutagenic e	ffects							
	sment									
• -	• •									
	n ogenicity	vailable information.								
•	oductive toxicity	vailable information.								
	onents:									
-		anacad achacatac								
	ductive toxicity - As	nposed sebacates: Some evidence of adverse effects	s on sexual function and							
sessm	•	fertility ,based on animal experime								
al!!4										
-	/Itin dilaurate: ductive toxicity - As	Clear evidence of adverse effects	on sexual function and for							
sessm		ity ,and/or on development, based								



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	T - single exposure cause drowsiness or	dizziness.
<u>Com</u>	ponents:	
n-bu	tyl acetate:	
	ssment	: May cause drowsiness or dizziness.
hept	an-2-one:	
Asse	ssment	: May cause drowsiness or dizziness.
isob	utyl acetate:	
Asse	ssment	: May cause drowsiness or dizziness.
dibu	tyltin dilaurate:	
Asse	ssment	: Causes damage to organs.
STO	T - repeated exposi	re
Not classified based on available information.		
<u>Com</u>	ponents:	
dibu	tyltin dilaurate:	
Asse	ssment	: Causes damage to organs through prolonged or repeated exposure.
Aspi	ration toxicity	
Not c	classified based on a	vailable information.
Furth	ner information	
Prod	luct:	
Rem	arks	 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	NFORMATION
Ecot	oxicity	
	ponents:	
	tyl acetate:	
п-ы т. :	iji doolal o .	

Toxicity to algae/aquatic : NOEC (Desmodesmus subspicatus (green algae)): > 200 mg/l plants

EC50 (Desmodesmus subspicatus (green algae)): >= 647.7



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			mg/l Exposure time: 72	h
Toxici	ty to microorganisms	:	IC50 (Tetrahymen Exposure time: 40	a pyriformis): 356 mg/l h
mixtu	re of benzotriazole:			
	xicology Assessme	ent :	Toxic to aquatic lif	e with long lasting effects.
mixtu	re of sterically com	posed	sebacates:	
	oxicology Assessme aquatic toxicity		Very toxic to aqua	tic life.
Chron	ic aquatic toxicity	:	Very toxic to aqua	tic life with long lasting effects.
ethyle	ene bis(3-mercaptor	oropior	nate):	
	aquatic toxicity		Very toxic to aqua	tic life.
Chron	ic aquatic toxicity	:	Very toxic to aqua	tic life with long lasting effects.
dibut	yltin dilaurate:			
	aquatic toxicity		Very toxic to aqua	tic life.
Chron	ic aquatic toxicity	:	Very toxic to aqua	tic life with long lasting effects.
Persis	stence and degrada	bility		
Comp	oonents:			
	yl acetate:			
Biode	gradability	:	Result: Biodegrada Biodegradation: 8 Exposure time: 28 Method: OECD Te	3 %
Stabili	ity in water	:	Degradation half li Remarks: Hydroly	
Photo	degradation	:	Remarks: Decomp	poses rapidly in contact with light.
Bioac	cumulative potentia	ıl		
<u>Comp</u>	oonents:			
n-but	yl acetate:			



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	Bioaccumulation		:		n factor (BCF): 15 cumulation is unlikely.
	Partition coefficient: n- octanol/water		:	log Pow: 1.81	
	heptar	n-2-one:			
	Partition coefficient: n- octanol/water		:	log Pow: 1.98	
	isobut	yl acetate:			
	Partitio octano	n coefficient: n- I/water	:	log Pow: 1.72	
	mixture of sterically com		nposed	sebacates:	
	Partitio octano	n coefficient: n- I/water	:	log Pow: 2.37 - pH: 7	2.77
	Mobili	ty in soil			
	No dat	a available			
	Other adverse effects				
	Product:				
	Additio mation	nal ecological infor	- :	unprofessional l	al hazard cannot be excluded in the event of nandling or disposal. tic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues	: The product should not be allowed to enter drains, water courses or the soil.
	Do not contaminate ponds, waterways or ditches with chemi- cal or used container. Send to a licensed waste management company.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG	
UN number	: UN 1263
Proper shipping name	: PAINT



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l	Class Packing Labels Environ	g group mentally hazardous	: : : :	3 III 3 no	
	Class Packing Labels Packing aircraft)	No. shipping name g group g instruction (cargo g instruction (passe	: : : : n- :	UN 1263 Paint 3 III Flammable Liquids 366 355	
I	IMDG-0 UN nun Proper		:	UN 1263 PAINT	
l I	Class Packing Labels EmS Co Marine		:	3 III 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	
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UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	Ш
Labels	:	3
Hazchem Code	:	•3Y
Environmentally hazardous	:	no

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

Therapeutic Goods (Poisons : Schedule 7 Standard) Instrument

Prohibition/Licensing Requirements

: dibutyltin dilaurate



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lations for prohibition, authorisation and restricted use.

SECTION 16: ANY OTHER RELEVANT INFORMATION

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Full text of other abbreviations

AU OEL / STEL

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

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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not



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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.