

Version 1.0	Revision Date: 28.11.2023	SDS Number: MAT000416727 JO/EN	Date of last issue: - Date of first issue: 28.11.2023
SECTION	N 1: Identification	of the substance/m	ixture and of the company/undertaking

1.1	Product identifier		
	Trade name	:	MOBIHEL 2K HARDENER 1500
	Product code	:	41672714
1.2	Relevant identified uses of th	e s	ubstance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Coatings and paints, thinners, paint removers
	Recommended restrictions on use	:	Reserved for industrial and professional use.
1.3	Details of the supplier of the	e sa	fety data sheet
	Company	:	Helios TBLUS d.o.o. Količevo 65 1230 Domžale Slovenia
	Telephone Company	:	386 (1) 722 4383
	Telefax Company	:	386 (1) 722 4310
	Responsible/issuing person	:	386 (1) 722 4383 productsafety@helios.si

1.4 Emergency telephone number

Emergency telephone number: 911

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single ex- posure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single ex- posure, Category 3, Respiratory system	H335: May cause respiratory irritation.

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.2 Label o	elements			
Label	ling (REGULATION	(EC)	No 1272/2008)
Hazar	d pictograms	:		
Signa	l word	:	Warning	
Hazar	d statements	:	H317 May H335 May	mable liquid and vapour. cause an allergic skin reaction. cause respiratory irritation. cause drowsiness or dizziness.
Suppl Stater	emental Hazard nents	:	EUH066 cracking.	Repeated exposure may cause skin dryness or
Preca	utionary statements	:	Prevention:	
			flames and o P261 Avoid P280 Wea	away from heat, hot surfaces, sparks, open ther ignition sources. No smoking. d breathing mist or vapours. r protective gloves/ protective clothing/ eye protec- tection/ hearing protection.
			Response:	
			ately all cont P304 + P340 air and keep CENTER/ do P370 + P378	 + P353 IF ON SKIN (or hair): Take off immediaminated clothing. Rinse skin with water. + P312 IF INHALED: Remove person to fresh comfortable for breathing. Call a POISON ctor if you feel unwell. In case of fire: Use dry sand, dry chemical or tant foam to extinguish.

Hazardous components which must be listed on the label:

Hexamethylene-di-isocyanate, polymer n-butyl acetate isobutyl acetate reaction mixture of ethylbenzene, m-xylene and p-xylene

Additional Labelling

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Hexamethylene diisocyanate, oligo- mers	28182-81-2 500-060-2 01-2119485796-17	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory sys- tem)	>= 30 - < 50
n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 20 - < 30
isobutyl acetate	110-19-0 203-745-1 607-026-00-7 01-2119488971-22	Flam. Liq. 2; H225 STOT SE 3; H336 (Central nervous system)	>= 1 - < 10
reaction mixture of ethylbenzene, m- xylene and p-xylene	- 905-562-9 01-2119555267-33	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory sys- tem) STOT RE 2; H373 Asp. Tox. 1; H304	>= 1 - < 10
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 1 - < 10
solvent naphtha (petroleum), light aromatic	64742-95-6 265-199-0 649-356-00-4 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory sys- tem) Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 1 - < 2.5





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SECTION 4: First aid measures

4.1 Description of 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 advice. In case of skin contact If skin irritation persists, call a physician. • If on skin, rinse well with water. If on clothes, remove clothes. In case of eye contact Flush eyes with water as a precaution. • Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. If swallowed Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital. 4.2 Most important symptoms and effects, both acute and delayed Risks May cause an allergic skin reaction. : May cause respiratory irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- : Do not allow run-off from fire fighting to enter drains or water courses.



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Ha uct	•	od- :	No hazardous comb	ustion products are known
Sp	vice for firefighters ecial protective equipme firefighters	ent :	In the event of fire, w	vear self-contained breathing apparatus.
Further information		:	must not be discharg Fire residues and co be disposed of in acc For safety reasons in rately in closed conta	ntaminated fire extinguishing water must cordance with local regulations. n case of fire, cans should be stored sepa-

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	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.
6.2 Environmental precautions	
Environmental 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.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	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).

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice 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.
	For personal protection see section 8.

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			plication area. Take precauti Provide suffici Open drum ca Dispose of rin regulations. Persons susce allergies, chro	ng and drinking should be prohibited in the ap- onary measures against static discharges. ent air exchange and/or exhaust in work rooms. refully as content may be under pressure. se water in accordance with local and national eptible to skin sensitisation problems or asthma, nic or recurrent respiratory disease should not n any process in which this mixture is being
	Advice on protection again fire and explosion	ist :	Take necessa (which might o	on a naked flame or any incandescent material. ry action to avoid static electricity discharge cause ignition of organic vapours). Keep away nes, hot surfaces and sources of ignition.
	Hygiene measures	:		o not eat or drink. When using do not smoke. efore breaks and at the end of workday.
7.2 (Conditions for safe storage	ge, inc	luding any inc	ompatibilities
	Requirements for storage areas and containers	:	ventilated plac fully resealed label precaution	Keep container tightly closed in a dry and well- e. Containers which are opened must be care- and kept upright to prevent leakage. Observe ons. Electrical installations / working materials with the technological safety standards.
	Further information on stor age stability	- :	No decompos	ition if stored and applied as directed.
7.3 8	Specific end use(s)			
	Specific use(s)	:	For further info	ormation, refer to the product technical data
			Consult the te	chnical guidelines for the use of this sub-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
n-butyl acetate	123-86-4	STEL	150 ppm 723 mg/m3	2019/1831/E U
		TWA	50 ppm 241 mg/m3	2019/1831/E U
isobutyl acetate	110-19-0	TWA	50 ppm 241 mg/m3	2019/1831/E U
		STEL	150 ppm	2019/1831/E

stance/mixture.

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ĺ				723 mg/m3	U
	reaction mixture c ethylbenzene, m- xylene and p- xylene	f 1330-20-7	TWA	50 ppm 221 mg/m3	2000/39/EC
			STEL	100 ppm 442 mg/m3	2000/39/EC
	2-methoxy-1- methylethyl ace- tate	108-65-6	STEL	100 ppm 550 mg/m3	2000/39/EC
			TWA	50 ppm 275 mg/m3	2000/39/EC

Derived No Effect Level (DNEL)

according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Hexamethylene-di- isocyanate, polymer	Workers	Inhalation	Long-term local ef- fects	0.5 mg/m3
	Workers	Inhalation	Long-term systemic effects	1 mg/m3
n-butyl acetate	Workers	Inhalation	Acute systemic ef- fects	600 mg/m3
	Workers	Inhalation	Acute local effects	600 mg/m3
	Workers	Inhalation	Long-term systemic effects	48 mg/m3
	Workers	Inhalation	Long-term local ef- fects	300 mg/m3
	Consumers	Inhalation	Acute systemic ef- fects	300 mg/m3
	Consumers	Inhalation	Acute local effects	300 mg/m3
	Consumers	Inhalation	Long-term systemic effects	12 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	35.7 mg/m3
	Consumers	Dermal	Long-term systemic effects	3.4 mg/kg bw/day
	Consumers	Dermal	Acute systemic ef- fects	6 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	2 mg/kg bw/day
	Consumers	Oral	Acute systemic ef- fects	2 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	7 mg/kg bw/day
	Workers	Dermal	Acute systemic ef- fects	11 mg/kg bw/day
isobutyl acetate	Workers	Inhalation	Long-term systemic effects	300 mg/m3
	Workers	Inhalation	Acute systemic ef- fects	600 mg/m3
	Workers	Inhalation	Long-term local ef-	300 mg/m3



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			fects	
	Workers	Inhalation	Acute local effects	600 mg/m3
	Consumers	Inhalation	Long-term systemic effects	35.7 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	35.7 mg/m3
	Consumers	Inhalation	Acute local effects	300 mg/m3
	Workers	Dermal	Long-term systemic effects	10 mg/kg bw/day
	Consumers	Oral	Acute systemic ef- fects	5 mg/kg bw/day
	Workers	Dermal	Acute systemic ef- fects	10 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	5 mg/kg bw/day
	Consumers	Dermal	Acute systemic ef- fects	5 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	5 mg/kg bw/day
reaction mixture of ethylbenzene, m- xylene and p-xylene	Workers	Inhalation	Long-term systemic effects	77 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	65.3 mg/m3
	Workers	Inhalation	Acute systemic ef- fects	442 mg/m3
	Workers	Inhalation	Acute local effects	289 mg/m3
	Consumers	Inhalation	Acute systemic ef- fects	260 mg/m3
	Workers	Inhalation	Long-term local ef- fects	221 mg/m3
	Consumers	Inhalation	Long-term systemic effects	14.8 mg/m3
	Consumers	Inhalation	Acute local effects	260 mg/m3
	Consumers	Dermal	Long-term systemic effects	108 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	16 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	180 mg/kg bw/day
2-methoxy-1- methylethyl acetate	Workers	Inhalation	Long-term systemic effects	275 mg/m3
	Workers	Inhalation	Acute local effects	550 mg/m3
	Consumers	Inhalation	Long-term systemic effects	33 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	33 mg/m3
	Workers	Dermal	Long-term systemic effects	796 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	320 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	36 mg/kg bw/day



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	ethyl 3- ethoxyprop	pionate	Workers	Inhalation	Long-term systemic effects	610 mg/m3
			Workers	Inhalation	Long-term local ef- fects	610 mg/m3
			Consumers	Inhalation	Long-term systemic effects	72.6 mg/m3
			Consumers	Inhalation	Long-term local ef- fects	72.6 mg/m3
			Workers	Dermal	Long-term local ef- fects	102 mg/cm2
			Workers	Dermal	Long-term systemic effects	102 mg/kg bw/day
			Consumers	Dermal	Long-term systemic effects	24.2 mg/kg bw/day
			Consumers	Oral	Long-term systemic effects	1.2 mg/kg bw/day
	Solvent na troleum), li Low boiling naphtha -u	ght arom.; g point	Workers	Inhalation	Long-term systemic effects	150 mg/m3

Inhalation

Dermal

Dermal

Oral

Long-term systemic

Long-term systemic

Long-term systemic

Long-term systemic

effects

effects

effects

effects

32 mg/m3

11 mg/kg

25 mg/kg

11 mg/kg

bw<u>/day</u>

bw/day

bw/day

Predicted No Effect Concentration (PNEC)

according to Regulation (EC) No. 1907/2006:

Consumers

Consumers

Consumers

Workers

Substance name	Environmental Compartment	Value
Hexamethylene-di-isocyanate,	Soil	505 mg/kg dry
polymer		weight (d.w.)
	Marine water	0.01 mg/l
	Fresh water	0.1 mg/l
	Marine sediment	253 mg/kg dry weight (d.w.)
	Fresh water sediment	2530 mg/kg dry weight (d.w.)
	Sewage treatment plant	100 mg/l
	Intermittent use/release	1 mg/l
n-butyl acetate	Soil	0.0903 mg/kg dry weight (d.w.)
	Marine water	0.018 mg/l
	Fresh water	0.18 mg/l
	Marine sediment	0.0981 mg/kg dry weight (d.w.)
	Fresh water sediment	0.981 mg/kg dry weight (d.w.)
	Sewage treatment plant	35.6 mg/l
	Intermittent use/release	0.36 mg/l



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isobutyl acetate	Soil	0.0755 mg/kg dry
		weight (d.w.)
	Marine water	0.017 mg/l
	Fresh water	0.17 mg/l
	Marine sediment	0.0877 mg/kg dry
		weight (d.w.)
	Fresh water sediment	0.877 mg/kg dry
		weight (d.w.)
	Sewage treatment plant	200 mg/l
	Intermittent use/release	0.34 mg/l
reaction mixture of ethylbenzene,	Soil	2.31 mg/kg dry
m-xylene and p-xylene		weight (d.w.)
	Marine water	0.327 mg/l
	Fresh water	0.327 mg/l
	Marine sediment	12.46 mg/kg dry
		weight (d.w.)
	Fresh water sediment	12.46 mg/kg dry
		weight (d.w.)
	Sewage treatment plant	6.58 mg/l
	Intermittent use/release	0.327 mg/l
2-methoxy-1-methylethyl acetate	Soil	0.29 mg/kg dry
, , ,		weight (d.w.)
	Marine water	0.0635 mg/l
	Fresh water	0.635 mg/l
	Marine sediment	0.329 mg/kg dry
		weight (d.w.)
	Fresh water sediment	3.29 mg/kg dry
		weight (d.w.)
	Sewage treatment plant	100 mg/l
	Intermittent use/release	0.00635 mg/l
ethyl 3-ethoxypropionate	Soil	0.048 mg/kg dry
		weight (d.w.)
	Marine water	0.00609 mg/l
	Fresh water	0.0609 mg/l
	Marine sediment	0.0419 mg/kg dry
		weight (d.w.)
	Fresh water sediment	0.419 mg/kg dry
		weight (d.w.)
	Sewage treatment plant	50 mg/l
	Intermittent use/release	0.609 mg/l

8.2 Exposure controls

Personal protective equipment Eye/face protection :	Equipment should conform to EN 166 Eye wash bottle with pure water Tightly fitting safety goggles
Hand protection	
Gloves :	Nitrile rubber (> 0,1 mm; < 60 min); DIN EN374 butyl-rubber (> 0,6 mm; < 240 min); DIN EN374 Viton® (> 0,6 mm; < 240 min); DIN EN374



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			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.		
Skin and body protection		:	Impervious clothing Choose body protection according to the amount and concen tration of the dangerous substance at the work place.		
Respiratory protection		:	Use respiratory protection unless adequate local exhaust ve tilation is provided or exposure assessment demonstrates the exposures are within recommended exposure guidelines.		
Filter type		:	Organic vapour type	(A)	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

:	liquid
:	colourless
:	solvent-like
:	No data available
:	Not applicable
:	-98.8 °C (calculation method (principal components, lowest value))
:	117 °C (calculation method (principal components, lowest value)) value))
:	34 °C
:	Static-accumulating flammable liquid., Combustible Solids
:	10.5 %(V) (calculation method (principal components, highest value))
:	1.1 %(V) (calculation method (principal components, highest value))
:	< 1,100 hPa (calculation method (principal components, high- est value)) (50 °C)

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	Relativ	e vapour density	:	4.6 (calcula	tion method (principal components, highest value))
				(Air = 1.0)	
	Relativ	e density	:	No data av	ailable
	Density	/	:	0.984 g/cm	3
	Solubil Wat	ity(ies) er solubility	:	immiscible,	partly soluble
	Solu	ubility in other solver	nts :	Descriptior	: miscible with most organic solvents
	Partitio octano	n coefficient: n- l/water	:	log Pow: 2. nents, high	77 - 3.15 (calculation method (principal compo- est value))
	Auto-ignition temperature		:	315 °C (ca value))	culation method (principal components, highest
	Decomposition temperature		e :		oosition if stored and applied as directed. decomposition products formed under fire condi-
	Viscosi Visc	ty cosity, kinematic	:	> 20.5 mm	2/s (40 °C)
	Flow ti	ne	:	12 s at 20 ° Cross sect Method: DI	on: 4 mm
	Explos	ive properties	:	Not applica	ble
	Oxidizi	ng properties	:	Sustains co	ombustion

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.



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0.4 Cond	ditions to avoid				
Cond	litions to avoid	: Heat, flames	and sparks.		
0.5 Inco	mpatible materials				
Mate	rials to avoid	: Incompatible	e with strong acids and bases.		
Adeq Heati		quired. urs which can be ignit	ed. d hydrocarbons (smoke).		
SECTION	N 11: Toxicologic	al information			
1 1 Infor	mation on toxicolo	nical offects			
	e toxicity	gical ellects			
	lassified based on a	vailable information.			
Prod	uct:				
Acute	e inhalation toxicity	Exposure tim Test atmosph			
Acute	e dermal toxicity		estimate: > 2,000 mg/kg sulation method		
<u>Com</u>	ponents:				
Hexa	methylene-di-isocy	vanate, polymer:			
Acute	e inhalation toxicity	: Assessment: short term inl	The component/mixture is moderately toxic afte nalation.		
n-but	tyl acetate:				
Acute	e oral toxicity	: LD50 Oral (R	at): >= 10,760 mg/kg		
Acute	e dermal toxicity	: LD50 (Rabbit	:): >= 5,000 mg/kg		
react	ion mixture of ethy	lbenzene, m-xylene a	and p-xylene:		
Acute	e oral toxicity	: LD50 Oral (R	at): >= 8,700 mg/kg		
Acute	e inhalation toxicity		LC50 (Rat): 27.14 mg/l Test atmosphere: vapour		
Acute	e dermal toxicity	: Assessment: single contac	The component/mixture is moderately toxic afte t withskin.		
2-me	thoxy-1-methylethy	/l acetate:			



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Acute	inhalation toxicity	:	LC50 (Rat): > 5 r Test atmosphere	
			LC0 (Rat): 2000 Exposure time: 3	
Acute	e dermal toxicity	:	LD50 (Rabbit): >	> 2,000 mg/kg
	ent naphtha (petrol e oral toxicity		ght arom.; Low b LD50 Oral (Rat):	oiling point naphtha -unspecified: > 2,000 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): > 5 r Test atmosphere	
Acute	e dermal toxicity	:	LD50 (Rabbit): >	2,000 mg/kg
	corrosion/irritation ated exposure may		in dryness or cra	cking.
Prod	uct:			
Rema	arks	:	May cause skin i	rritation and/or dermatitis.
<u>Com</u>	ponents:			
	ion mixture of ethy	lbenzen	· •	p-xylene:
Resu	lt	:	irritating	
	us eye damage/ey			
	lassified based on a	vailable	information.	
<u>Prod</u> Rema		:	Vapours may car and the skin.	use irritation to the eyes, respiratory syster
Com	ponents:			
react	ion mixture of ethy	Ibenzen	e, m-xylene and	p-xylene:
Resu	lt	:	Eye irritation	
Resp	iratory or skin sen	sitisatio	n	
	sensitisation cause an allergic ski	n reactio	n.	
-	iratory sensitisatio lassified based on a		information.	
Prod	uct:			



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Com	oonents:		
Hexa	methylene-di-isocy	yanate, polymer:	
Resul	lt	: Probability or ev	idence of skin sensitisation in humans

Germ cell mutagenicity

Not classified based on available information.

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Germ cell mutagenicity- As-	:	Classified based on benzene content < 0.1% (Regulation (EC)
sessment		1272/2008, Annex VI, Part 3, Note P)

Carcinogenicity

Not classified based on available information.

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Carcinogenicity - Assess-	:	Classified based on benzene content < 0.1% (Regulation (EC)
ment		1272/2008, Annex VI, Part 3, Note P)

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause respiratory irritation. May cause drowsiness or dizziness.

Components:

Hexamethylene-di-isocyanate, polymer:

Assessment	:	May cause respiratory irritation.
n-butyl acetate:		
Assessment	:	May cause drowsiness or dizziness.
isobutyl acetate:		
Assessment	:	May cause drowsiness or dizziness.
reaction mixture of ethylben	701	a myylono and nyylono.
reaction mixture of ethylben	zei	ie, iii-xylene and p-xylene.
Assessment	:	May cause respiratory irritation.
2-methoxy-1-methylethyl ac	eta	te:
Assessment	:	May cause drowsiness or dizziness.
Solvent naphtha (petroleum)), li	ght arom.; Low boiling point naphtha -unspecified:
Solvent naphtha (petroleum)), li :	ght arom.; Low boiling point naphtha -unspecified: May cause drowsiness or dizziness.



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Asse	ssment	:	May cause res	piratory irritation.
	T - repeated exposu classified based on av		information.	
<u>Com</u>	ponents:			
react	tion mixture of ethyl	benzei	ne, m-xylene an	d p-xylene:
	ssment	:		nage to organs through prolonged or repeated
Not c	ration toxicity classified based on av	ailable	information.	
	ponents:			
	tion mixture of ethyl			d p-xylene:
May	be fatal if swallowed a	and ent	ers airways.	
	ent naphtha (petrole be fatal if swallowed a	•	-	boiling point naphtha -unspecified:
Furth	ner information			
Prod	uct:			
Rema		:	tiredness, naus Concentrations narcotic effects	verexposure may be headache, dizziness, sea and vomiting. s substantially above the TLV value may cause s. degrease the skin.
SECTIO	N 12: Ecological in	lforma	tion	
12.1 Toxi	city			
<u>Com</u>	ponents:			
n-bu	tyl acetate:			
	city to algae/aquatic	:	NOEC (Desmo	desmus subspicatus (green algae)): > 200 mg/l
			EC50 (Desmoo mg/l Exposure time:	desmus subspicatus (green algae)): >= 647.7 72 h
Toxic	city to microorganisms	6 :	IC50 (Tetrahym	nena pyriformis): 356 mg/l 40 h

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Exposure time: 40 h



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Toxic	to fish	:	LC50 (Fish): >= 1	- 10 mg/l
	ity to daphnia and oth tic invertebrates	ner :	LC50 (Daphnia (w	rater flea)): >= 1 - 10 mg/l
Toxic	ity to microorganisms	s :	EC50 (Bacteria): >	>= 1 - 100 mg/l
2-me	thoxy-1-methylethyl	aceta	te:	
Toxic	ity to fish	:	LC50 (Oncorhyncl Exposure time: 96	hus mykiss (rainbow trout)): 130 mg/l i h
			NOEC : 100 mg/l Exposure time: 96	i h
	ity to daphnia and oth tic invertebrates	ner :	LC50 : 408 mg/l Exposure time: 48	h
Toxic icity)	ity to fish (Chronic to	x- :	EC10: 47.5 mg/l	
	ent naphtha (petrole bity to fish	um), li :	-	iling point naphtha -unspecified: 10 mg/l
	ity to daphnia and oth tic invertebrates	ner :	LC50 (Daphnia (w	rater flea)): > 1 - 10 mg/l
Toxic	ity to microorganisms	s :	EC50 (Bacteria): >	> 1 - 10 mg/l
	Ecotoxicology Assessment Chronic aquatic toxicity :		Toxic to aquatic lif	e with long lasting effects.
12 2 Pers	istence and degrada	ability		
	ponents:	Jointy		
	tyl acetate:			
	egradability	:	Result: Biodegrad Biodegradation: 8 Exposure time: 28 Method: OECD Te	33 %
Stabi	lity in water	:	Degradation half li pH: 8	
Photo	odegradation		Remarks: Hydroly	ses slowly.
1 100	sa gradatori	•		
	t ion mixture of ethyl Agradability	benze :	ne, m-xylene and p Remarks: Readily	-
Photo	odegradation	:	Remarks: Decom	poses rapidly in contact with light.
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	ethoxy-1-methyleth y legradability	-	ly biodegradable.
12.3 Bio	accumulative poten	tial	
<u>Con</u>	<u>nponents:</u>		
n-bı	ityl acetate:		
Bioa	ccumulation		n factor (BCF): 15 cumulation is unlikely.
	ition coefficient: n- nol/water	: log Pow: 1.81	
Part	utyl acetate: ition coefficient: n- nol/water	: log Pow: 1.72	
read	tion mixture of ethy	ylbenzene, m-xylene and	l p-xylene:
Bioa	ccumulation		n factor (BCF): 25.9 cumulation is unlikely.
	ition coefficient: n- nol/water	: log Pow: 2.77 - 3	3.15
2-m	ethoxy-1-methyleth	vl acetate:	
Part	ition coefficient: n- nol/water	: log Pow: 1.2 (20 pH: 6.8	°C)
12.4 Mot	bility in soil		
<u>Con</u>	nponents:		
read	tion mixture of ethy	ylbenzene, m-xylene and	l p-xylene:
	ribution among enviro tal compartments	Remarks: Mode	oc: 2.73 rately mobile in soils porates from soil.
Stab	ility in soil	: Dissipation time Percentage diss	: 23 d ipation: 50 % (DT50)
12.5 Res	ults of PBT and vPv	/B assessment	
Pro	duct:		
	essment	to be either pers	mixture contains no components considered istent, bioaccumulative and toxic (PBT), or and very bioaccumulative (vPvB) at levels of



12.6 Other adverse effects

Ρ	ro	du	ict:

Endocrine disrupting poten- tial	:	The substance/mixture does not contain components consid- ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Additional ecological infor- mation	:	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product :	 Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical 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

14.1 UN number

ADN	:	UN 1263
ADR	:	UN 1263
RID	:	UN 1263
IMDG	:	UN 1263
ΙΑΤΑ	:	UN 1263
14.2 UN proper shipping name		
ADN	:	PAINT
ADR	:	PAINT
RID	:	PAINT
IMDG	:	PAINT
ΙΑΤΑ	:	Paint
14.3 Transport hazard class(es)		
ADN	:	3
ADR	:	3



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RID		:	3	
IMDG		:	3	
ΙΑΤΑ		:	3	
14.4 Packi	ng group			
Classi	ng group ification Code d Identification Numb s	: : er : :	III F1 30 3	
Classi Hazar Labels	ng group ification Code id Identification Numb s el restriction code	: er : :	III F1 30 3 (D/E)	
Classi	ng group ification Code d Identification Numbers	: : er : :	III F1 30 3	
IMDG Packir Labels EmS (ng group s	:	III 3 F-E, <u>S-E</u>	
Packir aircraf Packir	ng instruction (LQ)	:	366 Y344 III Flammable Liquids	S
IATA Packir ger air Packir	(Passenger) ng instruction (passen rcraft) ng instruction (LQ) ng group	- : : :	355 Y344 III Flammable Liquida	
	onmental hazards	-		
ADN				
	onmentally hazardous	:	no	
ADR	onmentally hazardous		no	
RID Enviro	onmentally hazardous	:	no	
IMDG Marine	e pollutant	:	no	



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14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H225	:	Highly flammable liquid and vapour.
H226	:	Flammable liquid and vapour.
H304	:	May be fatal if swallowed and enters airways.
H312	:	Harmful in contact with skin.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H373	:	May cause damage to organs through prolonged or repeated
		exposure.
H411	:	Toxic to aquatic life with long lasting effects.
Full text of other abbrev	viations	
Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first
		list of indicative occupational exposure limit values
2019/1831/EU	:	Europe. Commission Directive 2019/1831/EU establishing a
		fifth list of indicative occupational exposure limit values
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
2019/1831/EU / TWA	:	Limit Value - eight hours



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2019/1831/EU / STEL : Short term exposure limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways: ADR - Agreement concerning the International Carriage of Dangerous Goods by Road: AIIC - Australian Inventory of Industrial Chemicals: ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada): ECHA -European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; 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

Further information			
Classification of the	ne mixture:	Classification procedure:	
Flam. Liq. 3	H226	Based on product data or assessment	
Skin Sens. 1	H317	Calculation method	
STOT SE 3	H336	Calculation method	
STOT SE 3	H335	Calculation method	

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 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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