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

1.1	Product identifier				
	Trade name	:	TESSAROL Antik 3in1 silver		
	Product code	:	40163702		
1.2	Relevant identified uses of th	ne s	ubstance or mixture and uses advised against		
	Use of the Sub- stance/Mixture	:	Building and construction work Roller application or brushing, Non industrial spraying Coatings and paints, thinners, paint removers		
	Recommended restrictions on use	:	professional use, public use		
1.3	1.3 Details of the supplier of the safety 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

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.			

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms



Signal word



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	d statements utionary statements	:		quid and vapour. vice is needed, have product container or reach of children.
			Prevention: P210 Keep away f	rom heat, hot surfaces, sparks, open ition sources. No smoking.
			ately all contaminate	IF ON SKIN (or hair): Take off immedi- d clothing. Rinse skin with water. Ise of fire: Use dry sand, dry chemical or m to extinguish.
			Disposal: P501 Dispose of c disposal plant.	ontents/ container to an approved waste

Additional Labelling

EUH208 Contains Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine. 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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics	162627-17-0 919-857-5 01-2119463258-33	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304	>= 10 - < 20
hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics	-	Asp. Tox. 1; H304	>= 1 - < 10
	01-2119457273-39		
1-methoxypropan-2-ol	203-539-1 603-064-00-3	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous	>= 1 - < 10



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	01-2119457435-35	system)	
2-ethylhexanoic acid, zirconium salt	245-018-1 01-2119979088-21	Repr. 2; H361d	>= 0,1 - < 1
fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl- 1,3- propanediamine and 1,3- propanediamine	01-2119970640-38	Skin Sens. 1; H317	>= 0,1 - < 1
Substances with a workplace exposure	e limit :		
silicon dioxide, chemically prepared	231-545-4 01-2119379499-16 (covered by CAS 7631-86-9)		>= 1 - < 10

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	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	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

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: Treat symptomatically.





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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- 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.
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	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.

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 concentrations. Vapours can accumulate in low areas.
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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





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/ national regulations (see section 13).

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

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. 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.
	Advice on protection against fire and explosion	:	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.
	Hygiene measures	:	Wash hands before breaks and at the end of workday.
7.2	Conditions for safe storage, i	incl	uding any incompatibilities
	Requirements for storage areas and containers	:	No smoking. Keep container tightly closed in a dry and well- ventilated place. Containers which are opened must be care- fully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
	Further information on stor- age stability	:	No decomposition if stored and applied as directed.
7.3	Specific end use(s)		
	Specific use(s)	:	For further information, refer to the product technical data sheet.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
1-methoxy-2- propanol	107-98-2	TWA	100 ppm 375 mg/m3	2000/39/EC
		STEL	150 ppm 568 mg/m3	2000/39/EC
Silicon dioxide	7631-86-9	TWA (Respirable dust)	0,1 mg/m3	2004/37/EC

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
barium sulfate	Consumers	Inhalation	Long-term systemic effects	10 mg/m3
	Workers	Inhalation	Long-term systemic effects	10 mg/m3
	Consumers	Oral	Long-term systemic effects	13000 mg/kg bw/day
aluminium powder (stabilised)	Workers	Inhalation	Long-term exposure	3,72 mg/m3
	Workers	Inhalation	Long-term local ef- fects	3,72 mg/m3
		Oral	Long-term systemic effects	3,95 mg/kg bw/day
1-methoxy-2-propanol	Workers	Inhalation	Long-term systemic effects	369 mg/m3
	Workers	Inhalation	Acute systemic ef- fects	553,5 mg/m3
	Workers	Inhalation	Acute local effects	553,5 mg/m3
	Workers	Inhalation	Long-term systemic effects	43,9 mg/m3
	Workers	Dermal	Long-term systemic effects	183 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	78 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	33 mg/kg bw/day
Silicon dioxide	Workers	Inhalation	Long-term systemic effects	4 mg/m3
2-ethylhexanoic acid, zirconium salt	Workers	Inhalation	Long-term systemic effects	32 mg/m3
	Consumers	Inhalation	Long-term systemic effects	8 mg/m3
	Consumers	Oral	Long-term systemic effects	2,5 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	6,49 mg/kg bw/day



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		Consume	rs	Dermal		Long-term systemic effects	3,25 mg/kg bw/day
Predi	cted No Effect Co	oncentratio	on (PN	IEC) accord	ing to	Regulation (EC) No. 1	907/2006:
Subst	ance name		Envi	ronmental Co	mpartr	nent	/alue
bariur	n sulfate		Soil				207,7 mg/kg dr veight (d.w.)
			Fres	h water),115 mg/l
			Fres	h water sedin	nent	6	600,4 mg/kg dr weight (d.w.)
			Sewa	age treatmen	6	62,2 mg/l	
alumii	nium powder (stab	ilised)	Sewa	age treatmen	t plant	2	20 mg/l
1-methoxy-2-propanol		Soil				1,59 mg/kg dry veight (d.w.)	
			Mari	ne water			1 mg/l
			Fres	h water		1	10 mg/l
			Marii	ne sediment			5,2 mg/kg dry veight (d.w.)
			Fres	h water sedin	nent	5	52,3 mg/kg dry veight (d.w.)
			Sewa	age treatmen	t plant		100 mg/l
				mittent use/re			100 mg/l
2-ethy salt	/lhexanoic acid, zir	conium	Soil			1	1,06 mg/kg dry veight (d.w.)
			Mari	ne water		(),036 mg/l
			Fresh water			(),36 mg/l
			Marii	ne sediment),637 mg/kg dr veight (d.w.)
			Fres	h water sedin	nent	6	6,37 mg/kg dry veight (d.w.)
			Sewa	age treatmen	t plant		71,7 mg/l
				mittent use/re),493 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection	:	Safety glasses with side-shields conforming to EN166
Hand protection Directive	:	Equipment should conform to EN 374
Material Rate of permeability Protective index	:	Viton® > 480 min Class 6
Material Rate of permeability Protective index	:	PVA > 480 min Class 6
Glove thickness	:	> 0,5 mm
Remarks	:	The choice of an appropriate glove does not only depend on its material but also on other quality features and is different



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			III are not measu Therefore a maxi through time is re and replaced if th chemical breakth note of the inform	er to the other. ak through times according to EN 374 Part red under normal operating conditions. imum usage time of 50% of the break ecommended. Gloves should be discarded here is any indication of degradation or rough. Nitrile gloves are not suitable. Take nation given by the producer concerning gradation and break through times, and of
Skin	and body protection	:	Long sleeved clo Safety shoes	thing
Resp	piratory protection	:	In case of inadec	uate ventilation wear respiratory protection.
Prote	ective measures	:		after handling. h skin, eyes and clothing. food, drink and animal feedingstuffs.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	in accordance with the product description
Odour	:	solvent-like
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	1.580,0 °C (calculation method (principal components, lowest value))
Flash point	:	43 °C (calculation method (principal components, lowest val- ue))
Flammability (solid, gas)	:	Static-accumulating flammable liquid., Combustible Solids
Flammability (solid, gas) Upper explosion limit / Upper flammability limit	:	6 %(V) (calculation method (principal components, highest value))
Upper explosion limit / Upper	:	6 %(V) (calculation method (principal components, highest
Upper explosion limit / Upper flammability limit Lower explosion limit / Lower	:	 6 %(V) (calculation method (principal components, highest value)) 0,7 %(V) (calculation method (principal components, highest
Upper explosion limit / Upper flammability limit Lower explosion limit / Lower flammability limit	: : :	6 %(V) (calculation method (principal components, highest value)) 0,7 %(V) (calculation method (principal components, highest value))



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D	ensity	:	1,628 g/cm3	
S	olubility(ies) Water solubility	:	insoluble	
	Solubility in other so	lvents :	Description: m	iscible with most organic solvents
-	artition coefficient: n- ctanol/water	:	No data availa	ble
D	ecomposition tempera	iture :		ition if stored and applied as directed. composition products formed under fire condi-
V	iscosity Viscosity, kinematic	:	> 20,5 mm2/s	(40 °C)
F	low time	:	> 60 s at 23 °C Cross section Method: ISO 2	6 mm
E	xplosive properties	:	Not applicable	
0	xidizing properties	:	Sustains coml	pustion
0.0.04	har information			

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.
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Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid :	Strong oxidizing agents
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10.6 Hazardous decomposition products

Adequate ventilation is required. Heating can release vapours which can be ignited. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11: Toxicological information

1.1 Information on toxicologic	cal effects
Acute toxicity Not classified based on avai	lable information.
Components:	
hydrocarbons, C9-C11, n-a	alkanes, isoalkanes, cyclic, <2% aromatics:
Acute oral toxicity	: LD50 Oral (Rat): > 2.000 mg/kg
Acute dermal toxicity	: LD50 (Rabbit): > 2.000 mg/kg
hydrocarbons, C10-C13 n-	alkanes, isoalkanes, cyclic, <2% aromatics:
Acute oral toxicity	: LD50 Oral (Rat, male and female): > 5.000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: LC50 (Rat): > 5.000 mg/l Test atmosphere: vapour Method: OECD Test Guideline 403
Acute dermal toxicity	: LD50 Dermal (Rabbit, male and female): > 5.000 mg/kg Method: OECD Test Guideline 402
1-methoxy-2-propanol:	
Acute oral toxicity	: LD50 Oral (Rabbit): > 2.000 mg/kg
Acute dermal toxicity	: LD50 (Rabbit): > 2.000 mg/kg
Skin corrosion/irritation	
Not classified based on avai	lable information.
Product:	
Remarks	: May cause skin irritation and/or dermatitis.
Components:	
hydrocarbons, C10-C13 n-	alkanes, isoalkanes, cyclic, <2% aromatics:
Species Method	: Rabbit
Method Result	: OECD Test Guideline 404 : No skin irritation
GLP	: yes
Result	: Repeated exposure may cause skin dryness or cracking.



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Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks

: Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks : Causes sensitisation.

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.

Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine:

Result : Probability or evidence of skin sensitisation in humans

Germ cell mutagenicity

Not classified based on available information.

Components:

Genotoxicity in vitro	: Result: negative
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Genotoxicity in vivo	: Result: negative
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Carcinogenicity

Not classified based on available information.



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<u>Com</u>	oonents:		
hydro	ocarbons, C10-C13	3 n-alkanes, isoalkanes	s, cyclic, <2% aromatics:
Resul	t	: negative	
Demm			
-	oductive toxicity	available information.	
	onents:		
-	s on foetal develop		s, cyclic, <2% aromatics: ility and developmental toxicity tests did not
ment			ect on reproduction.
	ylhexanoic acid, z		
Repro sessn	oductive toxicity - As nent	s- : Some evidenc animal experir	e of adverse effects on development, based nents.
sтот	- single exposure)	
Not cl	assified based on a	available information.	
Comp	oonents:		
hydro	ocarbons, C9-C11,	n-alkanes, isoalkanes	, cyclic, <2% aromatics:
Asses	ssment	: May cause dro	owsiness or dizziness.
by dra	aarbana C10 C1) n alkanaa iaaalkana	avalia 20% aramatian
Rema			s, cyclic, <2% aromatics: lable data, the classification criteria are not r
rtonio		. Datta on ava	
1-met	thoxy-2-propanol:		
Asses	ssment	: May cause dro	owsiness or dizziness.
стот	- repeated expos	ure	
	• •	available information.	
Comp	oonents:		
hvdro	ocarbons. C10-C13	3 n-alkanes, isoalkanes	s, cyclic, <2% aromatics:
Rema			lable data, the classification criteria are not n
Aspir	ation toxicity		
Not cl	assified based on a	available information.	
<u>Comp</u>	oonents:		



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hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics: May be fatal if swallowed and enters airways.

Further information

Product:

Remarks

: Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Components:

hvdrocarbons. C9-C11. n-alka	nes, isoalkanes, cyclic, <2% aromatics:
Toxicity to fish :	LC50 (Fish): > 1.000 mg/l Exposure time: 96 h
Toxicity to daphnia and other : aquatic invertebrates	LC50 (Daphnia (water flea)): > 1.000 mg/l
hvdrocarbons. C10-C13 n-alka	nes, isoalkanes, cyclic, <2% aromatics:
Toxicity to fish :	LC50 (Oncorhynchus mykiss (rainbow trout)): > 1.000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other : aquatic invertebrates	EC50 : > 1.000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic : plants	NOEC (Pseudokirchneriella subcapitata (microalgae)): 1.000 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
	EC50 (Pseudokirchneriella subcapitata (microalgae)): > 1.000 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
1-methoxy-2-propanol:	
Toxicity to fish :	LC50 (Fish): > 1.000 mg/l Exposure time: 96 h
Toxicity to daphnia and other : aquatic invertebrates	LC50 (Daphnia (water flea)): > 1.000 mg/l
Toxicity to algae/aquatic : plants	LC50 (algae): > 1.000 mg/l



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12.2 Persistence and degradability

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Biodegradability	: Result: Readily biodegradable. Biodegradation: 80 %
	Exposure time: 28 d
	Method: OECD Test Guideline 301F

12.3 Bioaccumulative potential

Components:

1-methoxy-2-propanol:

Partition coefficient: n-	:	log Pow: -0,437
	•	109 1 0100,437

octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : 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.

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Assessment

: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

12.6 Other adverse effects

Product:		
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



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Product		cal or used contair	e ponds, waterways or ditches with chemi-	
Contaminated packaging		Dispose of as unu Do not re-use emp	 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	5)	
ADN	:	3
ADR	:	3
RID	:	3
IMDG	:	3
ΙΑΤΑ	:	3
14.4 Packing group		
ADN Packing group Classification Code Hazard Identification Number Labels ADR Packing group Classification Code Hazard Identification Number Labels	:	III F1 30 3 III F1 30 3



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	Tunnel	restriction code	:	(D/E)	
	Classifi	g group ication Code I Identification Numb	: Der :	III F1 30 3	
	IMDG Packing Labels EmS C	g group ode	:	III 3 F-E, <u>S-E</u>	
	aircraft Packing	g instruction (cargo	:	366 Y344 III Flammable Liquids	
	Packing ger airc Packing	Passenger) g instruction (passer craft) g instruction (LQ) g group	n- : : :	355 Y344 III Flammable Liquids	
14.5	Enviro	nmental hazards			
	ADN Enviror	nmentally hazardous	s :	no	
	ADR Enviror	nmentally hazardous	s :	no	
	RID Enviror	nmentally hazardous	s :	no	
	IMDG Marine	pollutant	:	no	
14.6 Special precautions for user			user		
	Remar	ks	:	goods/merchandise IMDG: Packages sn	aller than or equal to 450 litres, not of Class 3 (exemption ADR 2.2.3.1.5) naller than or equal to 450 litres, not of Class 3; "transport acc. IMDG-code

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.



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SECTION 15: Regulatory information

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

Volatile organic compounds	:	Directive 2004/42/EC
		Volatile organic compounds (VOC) content: 500 g/l

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

I un text of II-Statements		
H226 H304	:	Flammable liquid and vapour. May be fatal if swallowed and enters airways.
H317	÷	May cause an allergic skin reaction.
H336	÷	May cause drowsiness or dizziness.
H361d	:	Suspected of damaging the unborn child.
Full text of other abbreviation	ns	
Asp. Tox.	:	Aspiration hazard
Flam. Liq.	:	Flammable liquids
Repr.	:	Reproductive toxicity
Skin Sens.	:	Skin sensitisation
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
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens
		at work
2000/39/EC / TWA		Limit Value - eight hours
2000/39/EC / STEL	÷	
2004/37/EC / TWA	÷	Long term exposure limit
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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 popula-



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tion; 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

Classification of the mixture:

Classification procedure:

Flam. Liq. 3

H226

Based on product data or assessment

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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