

				HANDELS-GmbH
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SECTION '	1: Identification	on of the substance/mix	ture and of the co	ompany/undertaking
1.1. produ	ict identifiers			
Identi	ification of the	substance or mixture	Paint Remover Liquid	
Relev	ant identified			lvised against
1.3. Detai	is of the suppli	om solvent-resistant surfaces ier of the safety data sheet		
TECH Hartle A-465 Tel: +/	Ier (manufactu NIQUA HANDE itnerstraße 3 3 Eberstalzell 43 (0) 7241 213 I: office@techni	79	user/distributor)	
Poiso Emerç	gency call 0-24	n e number n Centre (VIZ), Stubenring 6 hrs: +43 1 406 43 43 v to Friday, 8 to 16 hrs, Tel.:		
SECTION 2	2: Hazards ide	entification		
2.1. Class	ification of the	substance or mixture		
Class	ification accor	ding to Regulation (EC) No	1272/2008 [CLP]	
The m	nixture is classif	ied as hazardous according	to regulation (EC) N	o 1272/2008 [CLP].
	Liq. 3 / H226 rit. 2 / H319	Flammable liquids Serious eye dama		Flammable liquid and vapour. Causes serious eye irritation.
2.2. Label	elements			
The p	roduct is classif	ied and labelled according to	EC directives or co	prresponding national laws.
Label	ling according	to Regulation (EC) No. 127	2/2008 [CLP]	
Hazaı	rd pictograms			
	\rightarrow (1)	Warning		
Hazaı H226 H319	rd statements	Flammable liquid and vapo Causes serious eye irritatio		
	utionary state	-		
P210 P233 P243 P264	,, ,	Keep away from heat, hot s Keep container tightly close Take action to prevent stati	ed. c discharges.	en flames and other ignition sources. No smoking.
P280 P303		IF IN EYES: Rinse cautious	tective clothing/eye off immediately all c sly with water for sev	protection/face protection. contaminated clothing. Rinse skin with water [or showe /eral minutes. Remove contact lenses, if present and
P403	+ P313 + P235	easy to do. Continue rinsing If eye irritation persists: Ge Store in a well-ventilated pl	t medical advice/atte ace. Keep cool.	
P501 P101 P102		Dispose of contents/contain If medical advice is needed Keep out of reach of childre	, have product cont	
conta	ins:	not applicable		
C	Inmontal Haza	not applicable		
Supp	iemental Hažar	rd information (EU) not applicable		

not applicable

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	Other hazards							
C	TION 3: Compo	osition / in	formation on ingredients					
2.	Mixtures							
	Product description / chemical characterization							
	Description	Solve	nt / Surfactant mixture					
	Hazardous ingredients							
	Classification according to Regulation (EC) No 1272/2008 [CLP]							
	EC No.		CH No.					
	CAS No.		nical name		Wt %			
	INDEX No.		ification: // Remark					
	203-539-1	• • = •	19457435-35-0000		10 < 25			
	107-98-2 603-064-00-3		thoxy-2-propanol Lig. 3 H226 / STOT SE 3 H336		10 < 25			
	203-603-9		19475791-29-0000					
	108-65-6		thoxy-1-methylethyl acetate		10 < 25			
	607-195-00-7		SE 3 H336 / Flam. Liq. 3 H226		10 20			
	209-406-4		19491296-29-0000					
	577-11-7		succinic Acid Bis(2-ethylhexyl) Ester Sodium Sa	lt	< 2,5			
	205-524-5		rrit. 2 H315 / Eye Dam. 1 H318 19524002-60-0000					
	205-524-5 142-16-5	• • = •	-ethylhexyl) maleate		< 2,5			
	172-10-0	•	RE 2 H373 / Aquatic Chronic 1 H410		~ 2,0			

Labelling for contents according to regulation (EC) No. 648/2004:

< 5 % Anionic Surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed not applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

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strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. **Methods and material for containment and cleaning up** Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 35 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Storage class:

3 = Flammable liquids

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

1-methoxy-2-propanol

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WEL, T	o. 603-064-00-3 / E0 WA: 375 mg/m3; 100 TEL: 560 mg/m3; 15		-98-2
INDEX N	ky-1-methylethyl acet lo. 607-195-00-7 / E0 WA: 274 mg/m3; 50	C No. 203-603-9 / CAS No. 108	-65-6
	TEL: 548 mg/m3; 10		
TWA : lo STEL : s	al information ng-term occupational hort-term occupationa peak limitation	exposure limit value al exposure limit value	
DNEL:			
INDEX N DNEL I DNEL I DNEL I DNEL I DNEL I	ong-term dermal (sys ong-term inhalative (s ong-term oral (repeat ong-term dermal (sys ong-term inhalative (l	ate No. 203-603-9 / CAS No. 108-6 temic), Workers: 796 mg/kg bw/ systemic), Workers: 275 mg/m ³ ed), Consumer: 36 mg/kg bw/da temic), Consumer: 320 mg/kg bw ocal), Consumer: 33 mg/m ³ systemic), Consumer: 33 mg/m ³	day y
INDEX N DNEL & DNEL & DNEL & DNEL & DNEL &	ong-term dermal (sys acute inhalative (local ong-term inhalative (s ong-term oral (repeat ong-term dermal (sys	No. 203-539-1 / CAS No. 107-9 temic), Workers: 50,6 mg/kg), Workers: 553,5 mg/m ³ systemic), Workers: 369 mg/m ³ ed), Consumer: 3,3 mg/kg temic), Consumer: 18,1 mg/kg systemic), Consumer: 43,9 mg/m	
Sulfosuc EC No. 2 DNEL I DNEL I DNEL I DNEL I	cinic Acid Bis(2-ethyl 09-406-4 / CAS No. ong-term dermal (sys ong-term inhalative (song-term oral (repeat ong-term dermal (sys	nexyl) Ester Sodium Salt	′day lay
EC No. 2 DNEL I DNEL I DNEL I	ong-term dermal (sys ong-term inhalative (l	142-16-5 al), Workers: 3,91 mg/kg temic), Workers: 0,42 mg/kg bw. ocal), Workers: 1,95 mg/m³ systemic), Workers: 186,11 mg/n	-
PNEC:			
INDEX N PNEC a PNEC s PNEC s PNEC s PNEC,	ky-1-methylethyl acet o. 607-195-00-7 / EC aquatic, freshwater: 0 aquatic, marine water sediment, freshwater: sediment, marine wat soil: 0,29 mg/kg sewage treatment pla	No. 203-603-9 / CAS No. 108-6 ,635 mg/l : 0,0635 mg/l 3,29 mg/kg er: 0,329 mg/kg	5-6
1-methox INDEX N PNEC a PNEC a PNEC a PNEC s	ky-2-propanol	No. 203-539-1 / CAS No. 107-9 0 mg/l : 1 mg/l elease: 100 mg/l 52,3 mg/kg	8-2

Print da Versior		08.10.2018 3.0	Paint Remover Revision date: 24.04.2018 Issue date: 24.04.2018	Page 5 / 10	
		il: 5,49 mg/kg vage treatment plan	t (STP): 100 mg/l		
	Sulfosuccin EC No. 209 PNEC aqu PNEC aqu PNEC sec PNEC sec PNEC, soi PNEC sev				
	EC No. 205 PNEC aqu PNEC aqu PNEC sed PNEC sed PNEC, sol	exyl) maleate -524-5 / CAS No. 1 uatic, freshwater: 0,l uatic, marine water: liment, freshwater: liment, marine wate l: 3,19 mg/kg vage treatment plan	001 mg/l 0,0001 mg/l 15,95 mg/kg r: 1,595 mg/kg		
8.2.	-	od ventilation. This		room suction. If this should not be sufficient to , a suitable respiratory protection must be used	-
	Occupation	nal exposure contr	ols		

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number. Suitable respiratory protection apparatus:Combination filter A2/P2

Hand protection

For prolonged or repeated handling the following glove material must be used: KCL Butoject

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) >480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Physical state: Appearance: Colour:	Liquid Liquid colourless
Odour:	type typical
Odour threshold:	not determined
pH at20 °C:	not applicable
Melting point/freezing point:	-66 °C
Initial boiling point and boiling range:	100 °C Method: literature value
Flash point:	52 °C

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		Method: Pensky-Martens
Evap	oration rate:	not determined
	mability (solid, gas): ming time (s):	not determined
Lov	er/lower flammability or ver explosion limit: per explosion limit:	r explosive limits: 1,56 Vol-% Method: calculated 28,5 Vol-%
		Method: calculated
Vapo	our pressure at20 °C:	13,3 mbar Method: literature value
Vapo	our density:	not determined
Den	tive density: sity at20 °C:	1,04 g/cm³ Method: Pycnometer
Rela	tive density at20 °C:	not determined
	bility(ies): er solubility (g/L) at20 °	°C: emulsified
Part	tion coefficient: n-octa	nol/water: see section 12
Auto	-ignition temperature:	270 °C Method: literature value
Dece	omposition temperature	e: not determined
Visc	osity at20 °C:	< 12 s 4 mm Method: DIN 53211
Expl	osive properties:	not applicable
Oxid	ising properties:	not applicable
9.2. Othe	r information	
Solie	l content (%):	1,41 Wt % / 1,29 L/kg / 1,34 Vol-% Remark: Solid content (%)Remark
aro	ent: janic solvents: matic hydrocarbons: ter:	98,6 Wt % 0,0 Wt % 0,0 Wt %
Bulk	density:	
Drop	point/drop range:	
Pour	point:	0°C
Sust	aining combustion:	Sustaining combustion: Yes, positive.

10.1. Reactivity

not applicable

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

Observe protective provisions (see section 7 and 8).

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

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SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP] No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

2-methoxy-1-methylethyl acetate oral, LD50, Rat: 6190 mg/kg Method: OECD 401 dermal, LD50, Rat: > 2000 mg/kg Method: OECD 402 dermal, LD50, Rabbit: > 5000 mg/kg Method: OECD 402

1-methoxy-2-propanol oral, LD50, Rat: 4016 mg/kg dermal, LD50, Rat: > 2000 mg/kg

skin corrosion/irritation; Serious eye damage/eye irritation

Sulfosuccinic Acid Bis(2-ethylhexyl) Ester Sodium Salt Skin, Rabbit Method: OECD 404 Causes skin irritation. eyes, Rabbit Method: OECD 405 Causes serious eye damage..

Respiratory or skin sensitisation

Toxicological data are not available.

Specific target organ toxicity

1-methoxy-2-propanol Specific target organ toxicity (single exposure), drowsiness: Causes drowsiness or dizziness.

Bis(2-ethylhexyl) maleate

Specific target organ toxicity (repeated exposure): May cause damage to kidneys through prolonged or repeated exposure if swallowed.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself .

CAUTION! Solvents can be absorbed through the skin. Under unfavourable circumstances, also other substances (e.g. from the removed remains of paint) can penetrate through the skin.

Therefore, adopt suitable precautions (see Items 8 and 15 in this regard).

SECTION 12: Ecological information

overall evaluation

Classification according to Regulation (EC) No 1272/2008 [CLP] There is no information available on the preparation itself .

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	Do not allow	to enter into surfac	ce water or drains.			
12.1.	Toxicity					
 2-methoxy-1-methylethyl acetate Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 100 mg/l (96 h) Method: OECD 203 Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 500 mg/l (48 h) Method: OECD 202 Algae toxicity, ErC50, Scenedesmus capricornutum: > 1000 mg/l (72 h) Method: OECD 201 						
	Long-term	Ecotoxicity				
	Fish toxicit Method: O	ECD 204 exicity, NOEC, Daph	te atipes (Ricefish): 47,5 mg/l (14 nnia magna (Big water flea): > 10			
12.2.	Persistence	and degradability	/			
	Biodegrada	· · · ·	te ; evaluation Readily biodegradat 08 / EEC 92/69 annex V, C.4-D	ole (according to OECD criteria).		
12.3.	Bioaccumu	lative potential				
	2-methoxy-1-methylethyl acetate Partition coefficient: n-octanol/water: 1,2 Method: OECD 117					
	1-methoxy-2 Partition co	2-propanol pefficient: n-octanol	/water: -0,44			
12.4.	Mobility in s Toxicologica	soil Il data are not avail	able.			
12.5.	Results of I	PBT and vPvB ass	essment			
	The substan	ices in the mixture of	do not meet the PBT/vPvB criteri	a according to REACH, annex XIII.		

The substances in the mixture do not meet the H

- 12.6. Other adverse effects
 - not applicable

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste water with paint remover:

Always collect the waste water and run it through a filter, gravel trap, sand trap, etc., in order to remove solid particles. Caution in case of a channel separation system. Obtain information from the relevant authorities. After inquiring with the local authorities, waste water can usually be directed into the sewerage system.

Paint sludge:

The separated paint sludge is considered domestic or special waste (heavy metals?) according to its composition.

List of proposed waste codes/waste designations in accordance with AAV

Detergents containing hazardous substances 200129

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. UN number

rint da ersio		08.10.2018 3.0	Paint Remover Revision date: 24.04.2018 Issue date: 24.04.2018	Page 9 / 10
		sport (ADR/RID): sport (IMDG):	Paint related m PAINT RELATE	
	Air transp	ort (ICAO-TI / IATA-	DGR): Paint related m	aterial
4.3.	Transpo	rt hazard class(es)		
			3	
4.4.	Packing	group	III	
4.5	Environ	nental hazards		
		isport (ADR/RID)	not applicable	
	Marine p		not applicable	
	-	precautions for use		
	Transpor case of a		pright and safe containers. Make su e.	ire that persons transporting the product know what to do in
	Further i	nformation		
	Land tra	nsport (ADR/RID)		
		striction code	D/E	
	Sea tran	sport (IMDG)		
	EmS-No.		F-E, S-D	
	Air trans	port (ICAO-TI / IAT/	A-DGR)	
			to Annex II of Marpol and the IB	Code
	not applie	-		
			motion	
		Regulatory infor		
5.1.	-		iental regulations/legislation spe	cific for the substance or mixture
	EU legis			
		2010/75/EU on ind ue (in g/L): 673,8	ustrial emissions	
		regulations		
	Restricti Observe	ons of occupation employment restricti		Directive (92/85/EEC) for expectant or nursing mothers. juvenile work protection guideline' (94/33/EC).
	Water ha	zard class (WGK) ach wassergefährde		
	Chemica	I Safety Assessme	nt	safety assessment has been carried out:
	EC No. CAS No.	Chemi	cal name	REACH No.
	203-539-		oxy-2-propanol	01-2119457435-35-0000
-	107-98-2 203-603-	9 2-meth	oxy-1-methylethyl acetate	01-2119475791-29-0000
_	108-65-6			01 0110701000 00 0000
	205-524-	5 Bis(2-€	ethylhexyl) maleate	01-2119524002-60-0000

SECTION 16: Other information

Full text of classification in section 3:						
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.				
STOT SE 3 / H336	Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.				
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.				
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.				
STOT RE 2 / H373	Specific target organ toxicity (repeated	May cause damage to organs (or state all				

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		exposure)	organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Aquatic Chronic 1 / H410		Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations.Without written approval, the product must not be used for purposes different from those mentioned in chapter 1.It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations.The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.