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Safety data sheet according to 1907/2006/EC, Article 31

Printing date 11.07.2022

Version number 6 (replaces version 5)

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Eye Irrit. 2	H319	Causes serious eye irritation.	
STOT SE 3	H336	May cause drowsiness or dizziness.	
Aquatic Chi	ronic 3 H412	Harmful to aquatic life with long lasting effects.	
2.2 Label e	lements		
Labelling a	ccording to Regi	ulation (EC) No 1272/2008	
The product	t is classified and	l labelled according to the GB CLP regulation.	
Hazard pict	ograms		
$\mathbf{\wedge}$	$\mathbf{\wedge}$		
J.			
<u><u><u>e</u></u></u>			
CUEO2	CUE07		
GHS02	GHS07		
Signal word	l Danger		
Hazard-det	ermining compo	nents of labelling:	
acetone	C 0		
	ons, C9, aromatic		
	l-methylethyl ace	Ptate	
n-butyl acet			
Hazard stat		wable general Duranization March Line (1)	
		nable aerosol. Pressurised container: May burst if heated.	
H319 H336	Causes serious of	eye irritation. vsiness or dizziness.	
H330 H412		atic life with long lasting effects.	
	ary statements	me up with tong tusting effects.	
P101		ce is needed, have product container or label at hand.	
P102	Keep out of rea		
P210		n heat, hot surfaces, sparks, open flames and other ignition sources. No	smokir
P211		an open flame or other ignition source.	
P251		r burn, even after use.	
P260	Do not breathe	spray.	
		nlight. Do not expose to temperatures exceeding 50 °C/122 °F.	
P501		ents / container in accordance with regional regulations.	
	information:		
		may cause skin dryness or cracking.	
* *	<u>^</u>	es possible without sufficient ventilation.	
2.3 Other h			
	PBT and vPvB as	sessment	
PBT: Not a vPvB: Not a			
•1 • D . 1\01 (φριταυιε.		
CROTTO			
SECTIO	v 3: Composit	tion/information on ingredients	
3.2 Mixture		stances listed below with nonhazandous additions	
-	<i>components:</i>	stances listed below with nonhazardous additions.	
Dungernux	-	acetone	25-<50
-	1	♦ Flam. Liq. 2, H225	25 \50
CAS: 67-64	00-662-2		
CAS: 67-64 EINECS: 20		8 🔿 Eve Irrit, 2, H319: STOT SE 3, H336	
CAS: 67-64 EINECS: 20 Index numb	er: 606-001-00-8		
CAS: 67-64 EINECS: 20 Index numb Reg.nr.: 01-	er: 606-001-00-8 -2119471330-49	ĚUH066	2 5-~21
CAS: 67-64 EINECS: 20 Index numb Reg.nr.: 01- CAS: 74-98	er: 606-001-00-8 -2119471330-49 -6	ĚUH066propane1.	2.5-<20
CAS: 67-64 EINECS: 20 Index numb Reg.nr.: 01- CAS: 74-98 EINECS: 20	er: 606-001-00-8 -2119471330-49 -6 00-827-9	EUH0661propane1Flam. Gas 1A, H220	2.5-<20
CAS: 67-64 EINECS: 20 Index numb Reg.nr.: 01- CAS: 74-98 EINECS: 20 Index numb	er: 606-001-00-8 -2119471330-49 -6	EUH066 propane 1. Flam. Gas 1A, H220	2.5-<20

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CAS: 106-97-8 EINECS: 203-448-7	butane (containing < 0,1 % butadiene (203-450-8)) Flam. Gas 1A, H220	Contd. of page 12.5-<20%
Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32		
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	5-<10%
EC number: 905-588-0 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32	xylene Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	5-<10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 EUH066	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane (containing < 0,1 % butadiene (203-450-8))	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	2.5-<5%

• Additional information:

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1A 1272/2008 EU), so the classification as carcinogen need not to apply. xylene: Contains ethylbenzene CAS 100-41-4

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- · After eye contact:

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- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

 \cdot 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.
- · 5.2 Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · 5.3 Advice for firefighters -

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• Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.
- 6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- 6.4 Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

- *Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Keep respiratory protective device available.*
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:
- Observe official regulations on storing packagings with pressurised containers.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- · Storage class: 2 B
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingre	dients with limit values that require monitoring at the workplace:
67-64	1-1 acetone
WEL	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
106-9	97-8 butane (containing < 0,1 % butadiene (203-450-8))
WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
108-6	5-6 2-methoxy-1-methylethyl acetate
WEL	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
xylen	e
WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
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	t n-butyl acetate ort-term value: 966 mg/m³, 200 ppm
	ng-term value: 724 mg/m ³ , 150 ppm
Ingredie	nts with biological limit values:
xylene	
BMGV 6	550 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid
Addition	al information: The lists valid during the making were used as basis.
8.2 Expo	sure controls
	iate engineering controls No further data; see item 7.
	al protection measures, such as personal protective equipment
	protective and hygienic measures:
	ay from foodstuffs, beverages and feed.
	tely remove all soiled and contaminated clothing nds before breaks and at the end of work.
	ihale gases / fumes / aerosols.
	ntact with the eyes and skin.
	ntact with the eyes.
Respirate	ory protection:
	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Filter A2 Hand pro	
Cut Cut	Protective gloves
Material	of gloves
Butyl rub	
	tion of the suitable gloves does not only depend on the material, but also on further marks of qua
	es from manufacturer to manufacturer.
	<i>ion time of glove material</i> ober gloves with a thickness of 0.4 mm are resistant to:
•	: 480 min
Butyl ac	etate: 60 min
Ethyl ac	etate: 170 min
Xylene:	
	ober gloves with a thickness of 0.4 mm are solvent resistant for 42-480 minutes. As protective
	we recommend that users and responsible persons for work safety assume solvent resistance leng
	nutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in
particula Eve/face	protection
Lyc/juce	protection
	Tightly sealed goggles

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0.1 Information on basis abusis al and shared -1-	ronartias
9.1 Information on basic physical and chemical p General Information	roperues
Physical state	Aerosol
Colour:	According to product specification
Odour:	<i>Characteristic</i>
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	Undelermined.
•••	Not applicable, as aerosol
range Elammability	Not applicable, as aerosol.
Flammability	Not applicable.
Lower and upper explosion limit Lower:	1.5 Vol % (106.07.8 butana (containing < 0.1%)
Lower:	1.5 Vol % (106-97-8 butane (containing < 0,1 %)
Unnew	butadiene (203-450-8)))
Upper: Elash pointe	13 Vol % (67-64-1 acetone)
Flash point:	Not applicable, as aerosol. $(108.65.62 \text{ mode and } 1 \text{ mode advalue})$
Ignition temperature:	333 °C (631.4 °F) (108-65-6 2-methoxy-1-methylethyl
	acetate)
Decomposition temperature:	Not determined.
pH	Mixture is non-soluble (in water).
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 $^{\circ}C$ (68 $^{\circ}F$):	8300 hPa (6225.5 mm Hg) (74-98-6 propane)
Density and/or relative density	
Density at 20 °C (68 °F):	$0.7 \ g/cm^3 (5.8 \ lbs/gal)$
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Aerosol
Important information on protection of health an	d
environment, and on safety.	
Explosive properties:	Not determined.
Solvent content:	
Organic solvents:	88.5 %
VOC (EC)	
	619.5 g/l
VOC-EU%	88.50 %
Solids content:	10.6 %
Change in condition	
Evaporation rate	Not applicable.
-	
Information with regard to physical hazard classe	
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container:
	May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
	Void
Pyrophoric liquids	VOIA

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· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flamm	ıable	
gases in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

• 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

\cdot 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity

· LD/LC50 values relevant for classification:			
67-64-1 acetone			
Oral	LD50	5800 mg/kg (rat)	
Dermal	LD50	>15800 mg/kg (rabbit)	
Inhalative	LC50/4h	76 mg/l (rat)	
108-65-62	e-methoxy-1	-methylethyl acetate	
Oral	LD50	8530 mg/kg (rat)	
Dermal	LD50	>5000 mg/kg (rabbit)	
Inhalative	LC50/4 h	>10000 mg/m3 (rat)	
xylene			
Oral	LD50	3523 mg/kg (rat)	
Dermal	LD50	2000 mg/kg (rabbit)	
Inhalative	LC50/4 h	29000 mg/m3 (rat)	
Hydrocarb	ons, C9, ar	omatics	
Oral	LD50	3592 mg/kg (rat)	
Dermal	LD50	3160 mg/kg (rabbit)	
123-86-4 n	i-butyl aceta	ate	
Oral	LD50	10800 mg/kg (rat) (OECD 401)	
Dermal	LD50	>17600 mg/kg (rabbit)	
Inhalative	LC50/4 h	>21 mg/m3 (rat)	
· Skin corro	sion/irritati	on No irritant effect.	
	Serious eye damage/irritation Causes serious eye irritation.		
Respirator	Respiratory or skin sensitisation No sensitising effects known.		

• STOT-single exposure May cause drowsiness or dizziness.

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- 14.1 UN number or ID number - ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name	
ADR	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
14.3 Transport hazard class(es)	
ADR	
- Class	2 5F Gases.
Label	2.1
IMDG, IATA	
- Class	2.1 Gases.
Label	2.1
14.4 Packing group	
ADR, IMDG, IATA	not regulated
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Gases.
Hazard identification number (Kemler code):	-
EMS Number:	F- D , S - U
Stowage Code	SW1 Protected from sources of heat.
-	SW22 For AEROSOLS with a maximum capacity of 1
	litre: Category A. For AEROSOLS with a capacity abov
	1 litre: Category B. For WASTE AEROSOLS: Category
	<i>C</i> , <i>Clear of living quarters</i> .
Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1
Segregation Cour	litre:
	Segregation as for class 9. Stow "separated from" class
	except for division 1.4.
	For AEROSOLS with a capacity above 1 litre:
	Segregation as for the appropriate subdivision of class 2 For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class 2
14.7 Maritime transport in bulk according to IM	
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
Encopion Annumers (DZ)	Not permitted as Excepted Quantity
Transport category	2
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· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity	
· UN ''Model Regulation'':	UN 1950 AEROSOLS, 2.1	

SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (UK ANNEX XIV)

· Regulation (EC) No 273/2004 on drug precursors

67-64-1 acetone

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- 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.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the

- International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Gas 1A: Flammable gases Category 1A
- Aerosol 1: Aerosols Category 1

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Press. Gas (Comp.): Gases under pressure – Compressed gas	
Flam. Liq. 2: Flammable liquids – Category 2	
Flam. Liq. 3: Flammable liquids – Category 3	
Acute Tox. 4: Acute toxicity – Category 4	
Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
Asp. Tox. 1: Aspiration hazard – Category 1	
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2	
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	
\cdot * Data compared to the previous version altered.	