Safety data sheet



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H336 May cause drowsiness or dizziness.
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•	Precautionary s	statements
	P241	Use explosion-proof electrical/ventilating/lighting equipment.
	P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with
		water/shower.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
		present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER/doctor.
	P405	Store locked up.
		Dispose of contents/container in accordance with local/regional/national/international regulations.

 \cdot 2.3 Other hazards

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · **Description:** Mixture of substances listed below with nonhazardous additions.

CAS: 71-23-8 EINECS: 200-746-9 Reg.nr.: 01-2119486761-29	propan-1-ol 🕐 Flam. Liq. 2, H225; 🤣 Eye Dam. 1, H318; 🚯 STOT SE 3, H336	50-100
CAS: 12645-31-7 EINECS: 235-741-0 Reg.nr.: 01-2119896587-13	Phosphoric acid mono-bis-(2-ethylhexyl)-ester	2.5-10
CAS: 6786-83-0 EINECS: 229-851-8 Reg.nr.: 01-2119950688-22	C.I. Solvent Blue 4 < 0,1% Michler's Ketone Eye Dam. 1, H318; 🐠 Skin Sens. 1B, H317	≤ 2.5%

• Additional information: 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 and to be sure call for a doctor.

- In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: If symptoms persist consult doctor.
- \cdot 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available. • 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.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

\cdot 6.1 Personal precautions, protective equipment and emergency procedures	
Wear protective equipment. Keep unprotected persons away.	
Wear protective clothing.	
· 6.2 Environmental precautions:	
Dilute with plenty of water.	
Do not allow to enter sewers/ surface or ground water.	
\cdot 6.3 Methods and material for containment and cleaning up:	
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders	s, sawdust).
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.	
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See Section 13 for disposal information.

SECTION 7: Handling and storage

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

 Prevent formation of aerosols.
- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect from heat.

Protect against electrostatic charges.

- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed. Protect from heat and direct sunlight.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.
- · Respiratory 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.
• Protection of hands:

Protection of manus



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Nitrile rubber, NBR

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

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9.1 Information on basic physical and chemical	properties
General Information	properties
Appearance:	
Form:	Fluid
Colour:	According to product specification
Odour:	Product specific
Odour threshold:	Not determined.
Important information on protection of health a	and
environment, and on safety.	-
	-
pH-value:	Not determined.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	96,5-97,5 °C
Flash point:	22 °C
Flammability (solid, gas):	Not applicable.
Ignition temperature:	360 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	2,1 Vol %
Upper:	13,5 Vol %
Vapour pressure at 20 °C:	19 hPa
Density at 20 °C:	0,8 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic at 20 °C:	3,5 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	87,9 %
Solids content:	8,1 %
9.2 Other information	The physical and chemical properties given in
	Section 9.1 are rough data only, which are
	partially derived from the component's data of th
	mixture. These data are no binding product
	specifications.

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.

 \cdot 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.

 \cdot 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

71-23-8 pi	ropan-1-ol	
Oral	LD50	8,000 mg/kg (rat)

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		(Contd. of	page 4)	
Dermal	LD50	4,000 mg/kg (rab)		
Inhalative	LC50/4 h	33.8 mg/l (rat)		
• Primary ir	ritant effe	ect:		
• Skin corro				
	n irritatic			
· Serious ey	. .			
	ious eye da	amage. sensitisation		
•	•	c skin reaction.		
-	-	genity, mutagenicity and toxicity for reproduction)		
	-	ty Based on available data, the classification criteria are not met.		
		d on available data, the classification criteria are not met.		
· Reproducti	ve toxicity	$m{\gamma}$ Based on available data, the classification criteria are not met.		
• STOT-singl	-			
-		or dizziness.		
		re Based on available data, the classification criteria are not met.		
• Aspiration	hazard Bas	sed on available data, the classification criteria are not met.		
SECTION	12: Ecolo	ogical information		
• 12.1 Toxic	-			
• Aquatic to	-			
6786-83-0	6786-83-0 C.I. Solvent Blue 4 < 0,1% Michler's Ketone			
EC50 / 48h	0.025 mg/	/l (Daphnie)		
· 12.2 Persi	stence and	degradability No further relevant information available.		
		potential No further relevant information available.		
	-	1 No further relevant information available.		
	-	l information:		
• General no		(Course Demulation) (Colf concernent), hereideus feu unt :		
		(German Regulation) (Self-assessment): hazardous for water to reach ground water, water course or sewage system.		
		ater if even small quantities leak into the ground.		
~	2	and vPvB assessment		
· 12.5 Resul	ts of PBT a	and vPvB assessment		

- **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European w	aste catalogue
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 13*	sludges from paint or varnish containing organic solvents or other hazardous substances

• Uncleaned packaging:

- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information		
· 14.1 UN-Number · ADR, IMDG, IATA	UN1263	
· 14.2 UN proper shipping name · ADR · IMDG, IATA	1263 PAINT PAINT	
 14.3 Transport hazard class(es) ADR Class 	3 (F1) Flammable liquids.	
		(Contd. on page 6)

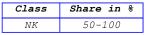
	(Contd. of page
Label	3
IMDG, IATA	
Class	3 Flammable liquids.
Label	3
14.4 Packing group	
ADR, IMDG, IATA	II
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler):	33
EMS Number:	<i>F</i> - <i>E</i> , <u><i>S</i>-<i>E</i></u>
Stowage Category	В
14.7 Transport in bulk according to Anney Marpol and the IBC Code	x II of Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
management as to solve	Maximum net quantity per outer packaging: 500 ml
Transport category Tunnel restriction code	2 D/E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1263 PAINT, 3, III

SECTION 15: Regulatory information

 \cdot 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 P5c FLAMMABLE LIQUIDS
- \cdot Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations:

· Technical instructions (air):



· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· 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 H225 Highly flammable liquid and vapour.

- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H336 May cause drowsiness or dizziness. · 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)

ICAO: International Civil Aviation Organisation ADR: Accord européen sur le transport 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

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	ropean Inventory of Existing Commercial Chemical Substances	
	ropean List of Notified Chemical Substances	
CAS: Chemi	cal Abstracts Service (division of the American Chemical Society)	
LC50: Leth	al concentration, 50 percent	
LD50: Leth	al dose, 50 percent	
PBT: Persi	stent, Bioaccumulative and Toxic	
vPvB: very	Persistent and very Bioaccumulative	
Flam. Liq.	2: Flammable liquids - Category 2	
Skin Corr.	1C: Skin corrosion/irritation - Category 1C	
Skin Irrit	. 2: Skin corrosion/irritation - Category 2	
Eye Dam. 1	: Serious eye damage/eye irritation - Category 1	
Skin Sens.	1: Skin sensitisation - Category 1	
Skin Sens.	1B: Skin sensitisation - Category 1B	
STOT SE 3:	Specific target organ toxicity (single exposure) - Category 3	