Safety	/ data sheet				
Article description: Test inks and pens, 28 – 72 mN/m according to RE.	ACh Regulation 1907/2006/EC		Revise	d on: 10.10.24, version 2.01	
 Identification of the mixture and of the company 1.1 Product identifier Article description: Test ink and test pens 28 – 72 mN/m, chemical preparation 		Product identifier	Proportion	Classification according to Regulation (CE) No 1272/2008 (CLP)	
 <i>REACh registration number</i> A registration number is not available for this mixture as its ingredients or its use are exempted from registration under Article 2 of the REACh Regulation (EC) No 1907/2006, the annual tonnage does not require registration or the registration is envisaged for a later date. 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses 	<u>Mixture of solvent(s) and dissolved</u> <u>solid(s)</u> containing the following functional groups: Alcohol, glycol ether, carboxyl, amide and water in different proportions depending on classification.	-	100.00%	No classification	
 Solvent mixture for application to a solid surface for the purpose of measuring the surface energy. No further applications envisaged. 1.2.2 Uses advised against None known 1.3. Details of the supplier of the safety data sheet SEST Messtechnik - Johannes Seemann, Gässle 13, 79588 Efringen-Kirchen, Germany	Approx. 0.1 % dye Does not contain any other ingredient classified and contribute to the classi mentioned in this section. <i>Substance with a Community workplace</i> (2-Methoxymethylethoxy)propanol, sec	nts which, within the current knowledge of the supplier, are sification of the substance and which therefore need to be <i>ace exposure limit:</i> see section 8.			
Email: info@sest-messtechnik.de Telephone: +49 (0)7628 / 7164900 (working days from 08:30 to 17:00) 1.4 Emergency telephone number CHEMTREC: +44 (0)870 8200418 Freiburg Poison Centre: +49 (0)761 19240 Mainz Poison Information Centre (24/7 in German and English) +49 (0)6131 19240	 4. First aid measures 4.1 Description of first aid measures General advice: Remove contaminated clothing immediately. Consult a doctor if you experience any health problems. If inhaled: Remove the person in question to fresh air and rest in a position that facilitates bracking. Sending statistical attention if gramtome acoust. Summary head alound when the 				
 2. Hazards identification 2.1. Classification of the substance or mixture Not a hazardous mixture in accordance with Regulation (EC) No 1272/2008. 2.2 Label elements Label (REGULATION (EC) No. 1272/2008) Pictogram - none Signal word - none Hazard statement(s) - none Precautions - none Other information 	 breatning. Seek medical attention if symptoms occur. Symptoms may be delayed when the products of combustion are inhaled. The person may need to remain under medical supervision for 48 hours. <i>In case of skin contact:</i> Remove all contaminated clothing immediately. Wash/shower skin with water. <i>In case of eye contact:</i> Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for contact lenses and remove if present. Consult a doctor in case of irritation. Continue flushing. <i>If swallowed:</i> Immediate strong rinsing of the mouth, immediately drink water (maximum 2 glasses), consult a doctor <i>4.2 Most important symptoms and effects, both acute and delayed</i> 				
Anaesthesia, irritant effects, dizziness, diarrhoea, he Anaesthesia, irritant effects, dizziness, diarrhoea, he Anaesthesia, irritant effects, dizziness, diarrhoea, he <i>e</i> red, blue and green ink does not contain any substances classified as hazardous or dangerous health above the cut-off level under EU legislation. The colourless ink does not contain ostances classified as hazardous or dangerous to health in accordance with EU legislation. <i>ther hazards</i> e mixture does not meet the criteria for classification as PBT or vPvB. her hazardous properties cannot be ruled out. The product should be handled with the caution rmally used with chemicals. position/information on ingredients				ion 11 for further information <i>nt needed</i> nts have been swallowed or	

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- 3.1 Substances
 - This product is a mixture.
- 3.2 Mixtures

5.2. Special hazards arising from the substance or mixture

Possible combustion products: Carbon monoxide, carbon dioxide, nitrogen oxides, acroleins Flammable. Vapours are heavier than air and can spread along the ground. Explosive mixtures with air are possible when heated to high temperatures. In case of a fire, hazardous fire gases or vapours may be generated. In case of fire, the following may be released: Nitrogen oxides,

Safety data sheet according to REACh Regulation 1907/2006/EC

acrolein

5.3 Advice for firefighters

Special firefighting equipment:

Article description: Test inks and pens, 28 - 72 mN/m

In the event of fire, immediately seal off the area and evacuate all persons from the danger zone. No measures should be taken that are associated with personal risk or that have not been adequately trained for. Only remain in the danger zone with breathing apparatus that is independent of recirculation air. Clothing for firefighters (including helmets, protective boots and gloves) that complies with the European standard EN 469 provides basic protection in the event of accidents involving chemicals.

Further information

Cool the container from a safe distance using spray water. Dampen escaping vapours with water. Do not allow fire-fighting water to enter surface water or the groundwater system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Note for non-emergency trained personnel: Avoid contact with substances. Do not breathe in steam/aerosol. Ensure adequate ventilation. Clear the danger zone, follow the emergency plan, consult experts.

Instructions for emergency services: Protective equipment: see section 8.

6.2 Environmental precautions:

Do not allow to enter sewage system

6.3 Methods and materials for containment and cleaning up

Absorb small amounts of spilled liquid (up to approx. 50 ml) with cloths or (paper) towels; absorb larger amounts with liquid-binding and neutralising material, e.g. Chemizorb<u>@</u> or Vermiculite<u>@</u>. Dispose of as waste. Rinse.

Large quantities: Remove the container from the outlet area. Avoid entry into sewers, bodies of water, cellars or closed areas. Soak or sweep up material and place in appropriately labelled waste containers. Dispose of via a recognised waste disposal company.

6.4 Reference to other sections

Note the precautions listed in sections 7, 8 and 13. Section 1 for emergency contact information. For disposal instructions, see section 13

7. Handling and storage

The information in this section provides general advice and guidance. The list of identified uses in Section 1 should be consulted for any application-specific information in the exposure scenario(s).

- 7.1. Precautions for safe handling
 - Safety precautions Notes on safe handling:

Do not inhale gas/smoke/vapour/aerosol. Wear personal protective equipment (see section 8). Fire precautions: Keep away from source of ignition - Do not smoke.

Notes on general industrial hygiene: Do not eat, drink, smoke, sniff at work. Avoid contact with skin, eyes and clothing. Take note of the instructions on the label. Do not leave containers open. *Notes on fire and explosion precautions:*

Keep away from heat, sparks and fire. Avoid contact with oxidising agents.

Notes on safe handling

Hygiene measures

Immediately change contaminated clothing. Wash your face and hands after work.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Protect from heat and direct sunlight. Store tightly sealed and dry at between +15°C and +25°C.

Store in a location with a solvent-resistant soil or on a drip tray to ensure protection of groundwater in case of spillages.

7.3 Specific end use(s)

No specific end uses other than those mentioned in section 1.2 are envisaged.

8. Exposure controls/personal protection

8.1 Control parameters

8.1.1. Workplace limits

(2-METHOXYMETHYLETHOXY)PROPANOL

Components with workplace limits that require monitoring

Ingredients

Basis	Value	Parameters to monitor	Comments	
(2-Methoxy	methylethoxy)propanol (34	1590-94-8)	Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values	
EU ELV	Effects on the skin		Can be absorbed through the skin	
	Daily average TWA	50 ppm 308 mg/m3		
	Comments	Indicates the possibility that larger amounts of the substance are absorbed through the skin Indicative		
	AGW:	50 ppm 310 mg/m3	TRGS 900 - Occupational exposure limit values Peak limit value 1 Type of exposure: Vapour and aerosol.	

8.1.2. Biological limits No data available

8.1.3. DNEL/PNEC values		
Name of substance	DNEL value	(1) DNEL Type (2) Route of exposure
Dipropylene glycol monomethyl ether	308 mg/m3	(1) DNEL for employer
		(2) Long-term - inhalation, systemic effects
Dipropylene glycol monomethyl ether	283 mg/kg KG/	(1) DNEL for employer
	day	(2) Long-term - dermal, systemic effects

8.2 Exposure controls

Technical precautions

Technical measures and the use of appropriate working methods shall take precedence over the use of personal protective equipment. See section 7.

Individual precautions

The design of body protection must be selected depending on the concentration and quantity of hazardous substances at the workplace. The chemical resistance of the protection should be clarified with the suppliers.

Article description: Test ints and pers, 28 - 72 mN/m Berviced on Kinck Regulation Marg2006/PCC Revised on: 10.10.24, version 2.01 Mygripe measures/ recommendated, Washh unds and fee after work. 10.6 Incompatible material: None factorial decomposition products None factorial decomposition products Ege for a protection In case of Inc: we point 5 None factorial decomposition products In case of Inc: we point 5 Ind protection In Case of Inc: we point 5 In Case of Inc: we point 5 None factorial decomposition products The protective meaning in the resulting ENTP4 standard. Restriction of the result of the specifications of EC Directive 89/68/GEC on the result of the result o	Safety data sheet					
Hypeine measures 10.5 Insertialing values contained clothing. Preventive skin protection (skin protection cream) recommended. Wash hands and face after work. 10.5 Incompatible materials Vyerface protection 10.5 Incompatible materials Hand protection 10.5 Incompatible materials Haid protection 10.5 Incompatible materials Give material: Nucleoners 0.6 Incompatible materials May or metsion 10.5 Incompatible materials	Article description: Test inks and pens, 28-72	mN/m according to REA	ACh Regulation 1907/2006/EC	Revised on: 10.10.24, version 2.01		
Immediately change contaminated coloning. Preventive skin protection (skin protection reram) None hown Fyreface protection In case of fire: see point.5 Hand protection In case of fire: see point.5 Hand protection In L1 dormation on toxicological defects Full contact: Gove material: Polychloroprene - Glove thickness: 0.65 mm - Breakthrough time: > 120 min Glove material: Polychloroprene - Glove thickness: 0.65 mm - Breakthrough time: > 120 min In L1 dormation on toxicological defects Protective gloves to be used must comply with the specifications of EC Directive 89685ETEC Do real down toxicity is present) Chore protective gloves to be used must comply with the specifications of EC Directive 89685ETEC Bot complex controls - Do not allow to error the serve system. Do not allow to error the serve system. Do not allow to error the serve system. Skin corrosion/irritation Statistical and chemical properties Is approx.1 grow.1 are sold in serve system. Software protective columity in the system of the serve system of the available data, the classification criteria are not met. Software protective columity in the system of the system of the available data, the classification criteria are not met. Software protective gloves to be used protective columity in the system of the available data, the classification criteria are not met. Software protation:	Hygiene measures		10.5 Incompatible materials			
recommended. Wash hands and face after work. 10. Teacardona daccomposition products Description In case of this cese points Dual protection In case of this cese points The and protection In case of this cese points Spray contact: In case of this cese points Glow material: Name discover be used must comply with the specifications of EC Directive 89/686/EEC and the resulting EN374 standard. ID 50 (dernal, rabbit): > 3000 mg/kg. (A substance of unknown toxicity is present) D to real drow to enter the sewage system. Do (cal. rat): > 5000 mg/kg. (A substance of unknown toxicity is present) D to real drow to enter the sewage system. Server evel downge/rituation Server evel downge/rituation Server evel downge/rituation Point all to b o enter the sewage system. Server evel downge/rituation Soliding emperature: p of or Form: ingray for this cerver ovel downge/rituation Odowr: not seve the sever evel downge/rituation Down gray contact: p at 100 g/1H:O: (20 °C) Gold gray for the color or points: ingray for the color or o	Immediately change contaminated clothing. Preventive skin protection (skin protection cream)		None known			
Every end by expected on the set of the set o	recommended. Wash hands and face after	work.	10.6 Hazardous decomposition products			
Use safely goggles with side protection. I.1. Information II.1. Information Hand protection II.1. Information II.1. Information Give material: Natral latex - Glove thickness: 0.6 mm - Breakthrough time: > 120 min The protective gloves to be used must comply with the specifications of ECD Theretive 89/68/EECC II.D. 5000 mg/kg. (A substance of unknown toxicity is present) Repiratory protection - Required when valorizatorous/s occur. Recommended filter. A(-P2) Dub or outer the sewage system. II.D. 5000 mg/kg. (A substance of unknown toxicity is present) Do not allow to enter the sewage system. Sim correstion / Required when valorizatorous/s occur. Recommended filter. A(-P2) There are built - result: No kin initiation Solution on bacic physical and chemical properties Form: Iguid Sim correstion / Requires physical and chemical properties Point: Iguid Iguid Secure eve damage/iritation Colour: Indigita (Internation on bacic physical and chemical properties Regarive: path test (Intuna and guines pig. all ingredients) Other material: Sim specified, Sim specified, Sim specified, Maing temperature: 900°C Sim specified, Sim specified, Maing temperature: 900°C Sim specified, Sim specified, Soluting temperature: 9	Eye/face protection		In case of fire: see point 5			
Haid protection 11.1 Information on tabiological effects Full contact: Glove material: Polychloroprene - Glove thickness: 0.65 mm - Breakthrough time: > 480 min Spray contact: 10.1 Information on tabiological effects Glove material: Natural latex - Glove thickness: 0.65 mm - Breakthrough time: > 120 min LD 50 (oral. nu): > 5000 mg/kg. (No substance of unknown toxicity is present) The protective gloves to be used must comply with the specifications of EC Directive 89/666 EEE Skin corrosion/irritation Respiratory protective neasures - Protective clouing when handling large quantities Exploritation on tabiological effects Do not all deposite controls - Exploritation on tabiological effects 9. Physical and chemical properties Form: liquid Colour: red, green, blue or colourless Skin corrosion/irritation Odou: uspecified, Propertite Form: liquid Glove natacity: Based on the available data, the classification criteria are not met. Acute demain toxicity: Based on the available data, the classification criteria are not met. Skin corrosion/irritation: Based on the available data, the classification criteria are not met. Glove: yuoy ressure: 200 °C Skin corrosion/irritation: Based on the available data, the classification criteria are not met. Skin corrosion/irritation:	Use safety goggles with side protection.		11. Toxicological information			
Full contact: For an attriat: Polychloroprene - Glove thickness: 0.65 mm - Breakthrough time: > 480 min Glove materiat: Polychloroprene - Glove thickness: 0.65 mm - Breakthrough time: > 480 min Provinsemits To BE EXPECTED DUE TO THE COMPONENTS OF THE PREPARATION: Glove materiat: Natural latex - Glove thickness: 0.65 mm - Breakthrough time: > 120 min The protective gloves to be used must comply with the specifications of EC Directive 89/686 EEC ID 50 (oral, rat): > 5000 mg/kg. (No substance of unknown toxicity is present) Directive measures - Protective clothing when handling large quantities Even e eye damage/irritation Environmentation decomposities Skin - mabbit - result: No skin irritation Do tot allow to enter the sewage system. Even e eye damage/irritation 9. Physical and chemical properties Form: Form: liquid Colour: red, green, blue or colourless Odour: unspecified, Odour: unspecified, Pf lat 100 g/l H_O: (20 °C) 6-9 Melting temperature: > 200 °C Explosion limits: not available Nour not available Vapour pressure: (20 °C) Solubility in water; (20 °C) op °C Explosion limits: 800 °C Explosion lim	Hand protection		11.1 Information on toxicological effects			
Glove material: Polychloroprene - Glove thickness: 0.65 mm - Breakthrough time: > 480 min Acute toticity Spray contact: Glove material: Natural lates - Glove thickness: 0.65 mm - Breakthrough time: > 120 min The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the resulting EN374 standard. Acute toticity Respiratory protection - Required when vapours/aerosols occur. Recommended filter: A(-P2) Skin corrosion/arritation Other protective measures - Protective colongy with the specification of EC Directive 89/686/EEC and themical properties Skin corrosion/arritation Do not allow to enter the swage system. Skin corrosion/arritation 9. Physical and chemical properties Form: liquid Colour: red, green, blue or colourless Negative; patch test (human and guinea pig, all ingredients) Odour: unspecified, unspecified, unspecified, unspecified, pipt arrow, 20 0°C Part attoicity: Based on the available data, the classification criteria are not met. Builting temperature: > 200 °C Skin corrosion/arritation: Based on the available data, the classification criteria are not met. Vapour pressure: > 200 °C Respiratory or skin absorption Flash point: > 80 of °C Skin corrosion/arritation: Based on the available data, the classification criteria are not met. Severe eye damage/irritation: Based on the available da	Full contact:		Prodedties to be expected due to the components of the dredad ation.			
Spray contact: In National Status Glow material: Natural lates - Glove thickness: 0.6 mm - Breakthrough time: > 120 min The protective gloves to be used must comply with the specifications of EC Directive 89/68/EEC and the resulting EN374 standard. Respiratory protection - Required when vapours/acrosols occur. Recommended filter: A(-P2) Other protective measures - Protective clothing when handling large quantities Sin - rabbit - result: No skin irritation Environment exposure controls - Severe eye damage/irritation 9. Physical and chemical properties Severe eye damage/irritation Form: liquid Colour: red, green, blue or colourless Odor: uspray contrate: Odor: uspray contrate: Physical and chemical properties Genotative Form: liquid Colour: red, green, blue or colourless Odor: uspray contrate: Physical and the resulting the system of uspray contrateria: ploy C2 Poing interperature: > 100 °C Boiling temperature: > 00 °C Ignition temperature: > 00 °C Stapointimitie: > 00 °C Stapointimitie: > 00 °C Stapointimitin:	Glove material: Polychloroprene - Glove thickness: 0.65 mm - Breakthrough time: > 480 min		Acute toxicity			
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Form: liquid Other training and provide the construction of the destination of the destestination destination of the destend destination deste	9.1 Information on basic physical and chemi	ical properties	Bacterial mutagenicity: negative: Ames Tes	st/OECD471 (all ingredients)		
Colour: red, green, blue of colourless Colour: Odour: unspecified, Acute oral toxicity: Based on the available data, the classification criteria are not met. PH at 100 g/l H ₂ O; (20 °C) 6-9 Acute oral toxicity: Based on the available data, the classification criteria are not met. Boiling temperature: approx. 12 °C Acute inhalation toxicity: Based on the available data, the classification criteria are not met. Ignition temperature: > 100 °C Severe eye damage/irritation: Based on the available data, the classification criteria are not met. Flash point: > 200 °C Severe eye damage/irritation: Based on the available data, the classification criteria are not met. Kaptorin temperature: > 200 °C Severe eye damage/irritation: Based on the available data, the classification criteria are not met. Flash point: > 80 °C Respiratory or skin sensitisation: Based on the available data, the classification criteria are not met. Vapour pressure: (20 °C) approx. 1 g/cm ³ Germ cell mutagenicity: Based on the available data, the classification criteria are not met. Vapour pressure: (20 °C) vapour approx. 1 g/cm ³ Slight irritation to: Skin, mucosa. Belative vapour density: not available If inhaled: Slight irritation to: Skin, mucosa. Solubility in water: (20 °C) ver	Form:	liquid	Other toxicological information			
Outdoil. Inlight field of a state of a sta	Colour:	red, green, blue or colourless	Acute oral toxicity: Based on the available	data the classification criteria are not met		
Melting temperature: approx. 12 °C Acute inhalation toxicity: Based on the available data, the classification criteria are not met. Boiling temperature: > 100 °C Skin corrosion/irritation: Based on the available data, the classification criteria are not met. Ignition temperature: > 200 °C Respiratory or skin sensitisation: Based on the available data, the classification criteria are not met. Flash point: > 80 °C Respiratory or skin sensitisation: Based on the available data, the classification criteria are not met. Vapour pressure: (20 °C) approx. 20 hPa Germ cell mutagenicity: Based on the available data, the classification criteria are not met. Relative vapour density: not available If inhaled: Slight irritation of the airways, lungs. Density: approx. 1 g/cm ³ If large quantities are ingested: Anaesthesia, vomiting, abdominal pain, headache, dizziness, diarrhoca, cyanosis 9.2 Other information Nome Risk of skin absorption Carcinogenicity - No information available. 10. Stability and reactivity Flammable. See section 10.3. Specific target organ toxicity - Single exposure - No information available.	pH at 100 g/l H ₂ O: (20 °C)	6-9	Acute dermal toxicity: Based on the availab	ble data, the classification criteria are not met.		
Boiling temperature: > 100 °C Skin corrosion/irritation: Based on the available data, the classification criteria are not met. Ignition temperature: > 200 °C Severe eye damage/irritation: Based on the available data, the classification criteria are not met. Flash point: > 80 °C Respiratory or skin sensitisation: Based on the available data, the classification criteria are not met. Kalative vapour density: not available met. Vapour pressure: (20 °C) approx. 20 hPa Germ cell mutagenicity: Based on the available data, the classification criteria are not met. Relative vapour density: not available If inhaled: Slight irritation of the airways, lungs. Density: approx. 1 g/cm ³ Slight irritation to: Skin, mucosa. Solubility in water: (20 °C) very soluble 9.2 Other information Kisk of skin absorption None Carcinogenicity - No information available. 10. Stability and reactivity Reproductive toxicity - No information available. 10.1 Reactivity Flammable. See section 10.3. Specific target organ toxicity - Single exposure - No information available.	Melting temperature:	approx. 12 °C	Acute inhalation toxicity: Based on the ava	ilable data, the classification criteria are not met.		
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Flash point: > 80 °C Respiratory or skin sensitisation: Based on the available data, the classification criteria are not met. Explosion limits: not available Germ cell mutagenicity: Based on the available data, the classification criteria are not met. Vapour pressure: (20 °C) approx. 20 hPa Germ cell mutagenicity: Based on the available data, the classification criteria are not met. Relative vapour density: not available If inhaled: Slight irritation of the airways, lungs. Density: approx. 1 g/cm ³ Slight irritation to: Skin, mucosa. Solubility in water: (20 °C) very soluble If large quantities are ingested: Anaesthesia, vomiting, abdominal pain, headache, dizziness, diarrhoea, cyanosis 9.2 Other information Risk of skin absorption Carcinogenicity - No information available. None Reproductive toxicity - No information available. Reproductive toxicity - No information available. 10. Stability and reactivity Teratogenicity - Not enough information available. Teratogenicity - Not enough information available. If large quantities are organ toxicity - Single exposure - No information available. Specific target organ toxicity - Single exposure - No information available.	Ignition temperature:	> 200 °C	Severe eye damage/irritation: Based on the	available data, the classification criteria are not met.		
Explosion limits:not availablemet.Vapour pressure:(20 °C)approx. 20 hPaGerm cell mutagenicity: Based on the available data, the classification criteria are not met.Relative vapour density:not availableIf inhaled: Slight irritation of the airways, lungs.Density:approx. 1 g/cm³Slight irritation to: Skin, mucosa.Solubility in water:(20 °C)very soluble9.2 Other informationvery solubleIf large quantities are ingested: Anaesthesia, vomiting, abdominal pain, headache, dizziness, diarthoea, cyanosisNoneKisk of skin absorption Carcinogenicity - No information available.10. Stability and reactivity Flammable. See section 10.3.Flammable. See section 10.3.	Flash point:	> 80 °C	Respiratory or skin sensitisation: Based or	n the available data, the classification criteria are not		
Vapour pressure:(20 °C)approx. 20 hPaGerm cell mutagencity: Based on the available data, the classification criteria are not met.Relative vapour density:not availableIf inhaled: Slight irritation of the airways, lungs.Density:approx. 1 g/cm³Slight irritation to: Skin, mucosa.Solubility in water:(20 °C)very soluble9.2 Other informationvery solubleIf large quantities are ingested: Anaesthesia, vomiting, abdominal pain, headache, dizziness,9.2 Other informationKisk of skin absorptionNoneCarcinogenicity - No information available.10.1 ReactivityFlammable. See section 10.3.Flammable. See section 10.3.Specific target organ toxicity - Single exposure - No information available.	Explosion limits:	not available	met.	lable date the algorithmetical anitaria and met		
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9.2 Other information None 10. Stability and reactivity Risk of skin absorption 10.1 Reactivity Reproductive toxicity - No information available. Flammable. See section 10.3. Specific target organ toxicity - Single exposure - No information available.	Solubility in water: (20 °C)	very soluble	If large quantities are ingested: Anaesthe	sia, vomiting, abdominal pain, headache, dizziness,		
None Risk of skin absorption 10. Stability and reactivity Carcinogenicity - No information available. 10.1 Reactivity Reproductive toxicity - No information available. Flammable. See section 10.3. Specific target organ toxicity - Single exposure - No information available.	9.2 Other information	very soluble	diarrhoea, cyanosis	r, , , , , , , , , , , , , , , , , , ,		
10.1 Reactivity Carcinogenicity - No information available. 10.1 Reactivity Teratogenicity - Not enough information available for all ingredients. Flammable. See section 10.3. Specific target organ toxicity - Single exposure - No information available.	None		Risk of skin absorption			
10. Stability and reactivity Reproductive toxicity - No information available. 10.1 Reactivity Teratogenicity - Not enough information available for all ingredients. Flammable. See section 10.3. Specific target organ toxicity - Single exposure - No information available.	40 Stability and reactivity		Carcinogenicity - No information available			
10.1 Reactivity Iteratogenicity - Not enough information available for all ingredients. Flammable. See section 10.3. Specific target organ toxicity - Single exposure - No information available.	10. Stability and reactivity		Reproductive toxicity - No information ava	ailable.		
Flammable. See section 10.3.	10.1 Reactivity		Ieratogenicity - Not enough information av	vallable for all ingredients.		
Specific target organ toxicity - Reneated exposure - No information available	Flammable. See section 10.3.		Specific target organ toxicity - Single exposure - No information available.			
10.2 Chemical stability Aspiration hazard - No information available.	10.2 Chemical stability		Aspiration hazard - No information available.			
The product is chemically stable under normal ambient conditions (room temperature). 11.2 Further information	The product is chemically stable under normal ambient conditions (room temperature).		11.2 Further information			
Hazardous properties cannot be excluded, but are unlikely if used properly. The mixture should	Hygroscopic.		Hazardous properties cannot be excluded, but are unlikely if used properly. The mixture should			
No begandous reactions are expected when used as intended. Explosive mixtures may be formed be handled with the caution normally used with chemicals. Only for use by professionals.	10.5 Possibility of hazardous reactions		be handled with the caution normally used	with chemicals. Only for use by professionals.		
with air when heated to high temperatures. Violent reactions possible with: Oxidants reducing 12 Feelonical information	with air when heated to high temperature	an used as intended. Explosive mixtures may be formed	12 Ecological information			
agents, acid halides. acid anhydrides	agents acid halides acid anbydrides			ΟΝΈΝΤΣ ΟΕ ΤΗΣ ΦΡΕΦΑ ΒΑΤΙΟΝΙ		
10.4 Conditions to avoid	10.4 Conditions to avoid		12.1 Torigity			
$\frac{12.1.10AUUy}{\text{Eich toxicity} I C 50 \times 5000 \text{ mg/l (for Caraccius auratus Danio ratio or Dimensiolas prometes)}}$	Intense heating		12.1. 10mmuy Fish toxicity: I C50 > 5000 mg/l (for Carassius auratus, Danio rario or Dimenhales promalas)			

Article description: Test inks and pens, 28 - 72 mN/m

Safety data sheet according to REACh Regulation 1907/2006/EC

Revised on: 10.10.24, version 2.01

Daphnia toxicity: EC50 > 800 mg/l (Daphnia Magna)

12.2 Persistence and degradability

Between 71 and 98% (OECD 301C, 301F, 302B, readily biodegradable

Adsorb. org. bound halogen (AOX): The mixture contains no organic halogens.

12.3 Bioaccumulative potential

Log P(o/w): < 0.001 (estimated from the individual components, all components have an experimentally determined log P(o/w): < 0.001). No significant bioaccumulation potential is expected (log P(o/w) < 1) (literature).

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance/mixture does not contain components at concentrations of 0.1 % or higher thatare classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

No data available

Other ecological information

Do not allow to enter water, sewage or soil. With proper handling and use, no ecological problems are to be expected.

13. Disposal considerations

Waste treatment methods

Product residues must be disposed of in accordance with the Waste Directive 2008/98/EC and national and regional regulations. Keep chemicals in original containers. Uncleaned containers must be treated in accordance with the product.

Please check with your waste disposal company for information on return systems for chemicals and packaging.

According to the current state of knowledge of the supplier, this product is not considered to be hazardous waste within the meaning of EU Directive 2008/98/EC.

14. Transport information

14.1-14.6 Not hazardous goods as defined in transportation regulations (ADR/RID, IATA, IMGD)

15. Regulatory information

 $15.1.\ Safety,\ health\ and\ environmental\ regulations/legislation\ specific\ for\ the\ mixture$

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EU regulations
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Hazardous Incidents Ordinance 96/82/EC

Directive 96/82/EC does not apply

Substances of very high concern (REACh SVHC Candidate List)

This product does not contain any substances of very high concern according to REACh Regulation EC No 1907/2006 Art. 57 above the legal concentration of $\ge 0.1 \%$ (w/w). *RoHS (EU) 2015/863*

Not applicable, does not contain any corresponding substances above a concentration limit of \geq 0.1 %

National regulationsWater hazard class1 (low water hazard substances) (self-classification)Storage class VCI10

BG-Chemie factsheet: M050 Handling of hazardous materials

15.2 Chemical safety assessment

No chemical safety assessment has been performed for this product.

16. Other information

Training notes

Ensure users receive adequate information, instructions and training.

Other information

Procedure for deriving classification according to Regulation (EC) 1272/2008 (CLP/GHS) Classification: Justification Not classified.

Full text of abbreviated H statements: Not applicable

Full text of classifications [CLP/GHS]: Not applicable

Only for use by professionals.

Last updated: 10.10.24

The information is based on the current state of our knowledge and is intended to to describe the product in terms of the applicable safety precautions. They do not constitute a guarantee of the properties of the product described.

This information has been compiled to the best of our knowledge, but does not claim to be exhaustive and should only be understood by the user as a guide. SEST Messtechnik does not accept any liability for damage that may occur in handling or contact with these chemicals.