



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by
Commission Regulation (EU) 2020/878 - Germany

SAFETY DATA SHEET

T200-1001 WHITE

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

1.1 Product identifier

Product name : T200-1001 WHITE
UFI : 275C-K0CH-400E-U9XR
Product code : 1674879, 1674879-E02, 1674879-D01
Product description : Not available.
Product type : liquid
Other means of identification : T200-1001 WHITE

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Not applicable.

Uses advised against
Not applicable.

1.3 Details of the supplier of the safety data sheet

RUCOINX Druckfarben
A. M. Ramp & Co. GmbH
Lorsbacher Str. 28
Eppstein
Germany
D-65817
+49.6198.304 0
8:00-16:00 (working hours)

e-mail address of person responsible for this SDS : info.de@inx europe.com

National contact

Not available.

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number :

Supplier

Telephone number : +49.6198.304 0
Hours of operation : 8:00-16:00 (working hours)
Information limitations : Not available.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Flam. Liq. 3, H226

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H226:Flammable liquid and vapor.

Precautionary statements

- General** : P103:Read carefully and follow all instructions.
P102:Keep out of reach of children.
P101:If medical advice is needed, have product container or label at hand.
- Prevention** : P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Response** : -:Not applicable.
- Storage** : -:Not applicable.
- Disposal** : P501:Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

- Containers to be fitted with child-resistant fastenings** : Not applicable.
- Tactile warning of danger** : Not applicable.

2.3 Other hazards

Version: 4.1

Date of issue/Date of revision: 06.05.2025

Date of previous issue: 11.03.2025

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
titanium dioxide	REACH#: 01-2119489379-17-XXXX EC : 236-675-5 CAS : 13463-67-7	>= 25 - <= 50	Not classified.	-	[2]
n-butyl acetate	REACH#: 01-2119485493-29-XXXX EC : 204-658-1 CAS : 123-86-4 Index: 607-025-00-1	> 0 - <= 10	Flam. Liq. 3, H226 STOT SE 3, H336 (Narcotic effects) EUH066	-	[1] [2]
2-butoxyethyl acetate	REACH#: 01-2119475112-47-0017 EC : 203-933-3 CAS : 112-07-2 Index: 607-038-00-2	> 0 - <= 5	Acute Tox. 4, H312 Acute Tox. 4, H332	ATE [Dermal] = 1 500 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
2-methoxy-1-methylethyl acetate	REACH#: 01-2119475791-29-XXXX EC : 203-603-9 CAS : 108-65-6 Index:	> 0 - <= 5	Flam. Liq. 3, H226 STOT SE 3, H336 (Narcotic effects)	-	[1] [2]
4-hydroxy-4-methylpentan-2-one	EC : 204-626-7 CAS : 123-42-2 Index: 603-016-00-1	> 0 - <= 3	Eye Irrit. 2, H319	Eye Irrit. 2, H319: >= 10 %	[1] [2]
2-(2-butoxyethoxy)ethyl acetate	EC : 204-685-9 CAS : 124-17-4	> 0 - <= 3	Not classified.	-	[2]

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs,

vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

Substance classified with a health or environmental hazard

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	:	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- | | | |
|--|---|---|
| Hazards from the substance or mixture | : | Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. |
| Hazardous combustion products | : | Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides |

5.3 Advice for firefighters

- | | | |
|---|---|---|
| Special protective actions for fire-fighters | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Special protective equipment for fire-fighters | : | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | | |
|------------------------------------|---|---|
| For non-emergency personnel | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Put on appropriate personal protective equipment. |
| For emergency responders | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

- | | | |
|--------------------------------------|---|---|
| 6.2 Environmental precautions | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|--------------------------------------|---|---|

6.3 Methods and materials for containment and cleaning up

- | | | |
|--------------------|---|---|
| Small spill | : | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Large spill | : | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a |

licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

- 6.4 Reference to other sections** :
- See Section 1 for emergency contact information.
 - See Section 8 for information on appropriate personal protective equipment.
 - See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

- Protective measures** :
- Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** :
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Seveso Directive - Reporting thresholds

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
P5c	5 000 kg	50 000 kg

7.3 Specific end use(s)

Recommendations : Not available.
Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
titanium dioxide	TRGS 900 OEL (2014-04-02). TWA 1,25 mg/m ³ Form: Respirable fraction TRGS 900 OEL (2012-01-24). PEAK 20 mg/m ³ Form: Inhalable fraction TRGS 900 OEL (2012-01-24). TWA 10 mg/m ³ Form: Inhalable fraction TRGS 900 OEL (2014-04-02). PEAK 2,5 mg/m ³ Form: Respirable fraction DFG MAC-values list (2018-07-01). [Titanium dioxide (inhalable fraction)] TWA 0,3 mg/m ³ Form: Inhalable fraction PEAK 2,4 mg/m ³ Form: Inhalable fraction
n-butyl acetate	TRGS 900 OEL (2012-07-01). TWA 300 mg/m ³ 62 ppm TRGS 900 OEL (2012-07-01). PEAK 600 mg/m ³ 124 ppm DFG MAC-values list (2002-07-01). [n-Butyl acetate] PEAK 960 mg/m ³ 200 ppm TWA 480 mg/m ³ 100 ppm EU OEL (2019-11-20). [n-butyl acetate] STEL 723 mg/m ³ 150 ppm TWA 241 mg/m ³ 50 ppm
2-butoxyethyl acetate	TRGS 900 OEL (2019-02-01). Absorbed through skin.. TWA 65 mg/m ³ 10 ppm TRGS 900 OEL (2019-02-01). Absorbed through skin.. PEAK 130 mg/m ³ 20 ppm DFG MAC-values list (2013-07-08). [2-Butoxyethyl acetate] Absorbed through skin.. PEAK 132 mg/m ³ TWA 66 mg/m ³ DFG MAC-values list (2013-07-08). [2-Butoxyethyl acetate] Absorbed through skin.. PEAK 20 ppm TWA 10 ppm EU OEL (2000-06-01). [2-butoxyethyl acetate] Absorbed through skin.. TWA 133 mg/m ³ 20 ppm

	STEL 333 mg/m ³ 50 ppm
2-methoxy-1-methylethyl acetate	TRGS 900 OEL (2006-01-01). TWA 270 mg/m ³ 50 ppm TRGS 900 OEL (2006-01-01). PEAK 270 mg/m ³ 50 ppm DFG MAC-values list (2002-07-01). [1-Methoxypropyl-2-acetate] PEAK 270 mg/m ³ 50 ppm TWA 270 mg/m ³ 50 ppm EU OEL (2000-06-01). [2-methoxy-1-methylethylacetate] Absorbed through skin.. TWA 275 mg/m ³ 50 ppm STEL 550 mg/m ³ 100 ppm
4-hydroxy-4-methylpentan-2-one	TRGS 900 OEL (2006-01-01). Absorbed through skin.. TWA 96 mg/m ³ 20 ppm TRGS 900 OEL (2006-01-01). Absorbed through skin.. PEAK 192 mg/m ³ 40 ppm DFG MAC-values list (2006-07-01). [4-Hydroxy-4-methylpentan-2-one] Absorbed through skin.. PEAK 192 mg/m ³ 40 ppm TWA 96 mg/m ³ 20 ppm
2-(2-butoxyethoxy)ethyl acetate	TRGS 900 OEL (2013-07-01). TWA 67 mg/m ³ 10 ppm TRGS 900 OEL (2013-07-01). PEAK 100,5 mg/m ³ 15 ppm DFG MAC-values list (2013-07-08). [Diethylene glycol monobutyl ether acetate] TWA 85 mg/m ³ DFG MAC-values list (2013-07-08). [Diethylene glycol monobutyl ether acetate] PEAK 15 ppm DFG MAC-values list (2013-07-08). [Diethylene glycol monobutyl ether acetate] PEAK 127,5 mg/m ³ DFG MAC-values list (2013-07-08). [Diethylene glycol monobutyl ether acetate] TWA 10 ppm

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures

- : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for

methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
n-butyl acetate	DNEL	Short term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	600 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	600 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	300 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	300 mg/m ³	General population	Systemic
	DNEL	Short term Inhalation	300 mg/m ³	General population	Local
	DNEL	Long term Inhalation	48 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	35,7 mg/m ³	General population	Local
	DNEL	Long term Inhalation	12 mg/m ³	General population	Systemic
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	7 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	3,4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	2 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	600 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	600 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	300 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	300 mg/m ³	General population	Systemic
	DNEL	Short term Inhalation	300 mg/m ³	General population	Local
	DNEL	Long term Inhalation	48 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	35,7 mg/m ³	General population	Local
	DNEL	Long term Inhalation	12 mg/m ³	General population	Systemic
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	7 mg/kg bw/day	Workers	Systemic
	DNEL	Short term	6 mg/kg	General	Systemic

		Dermal	bw/day	population	
	DNEL	Long term Dermal	3,4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	2 mg/kg bw/day	General population	Systemic
2-butoxyethyl acetate	DNEL	Long term Oral	8,6 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	333 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	200 mg/m ³	General population	Local
	DNEL	Long term Dermal	169 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	133 mg/m ³	Workers	Systemic
	DNEL	Short term Dermal	120 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	102 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	80 mg/m ³	General population	Systemic
	DNEL	Short term Dermal	72 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	36 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	8,6 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	333 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	200 mg/m ³	General population	Local
	DNEL	Long term Dermal	169 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	133 mg/m ³	Workers	Systemic
	DNEL	Short term Dermal	120 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	102 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	80 mg/m ³	General population	Systemic
	DNEL	Short term Dermal	72 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	36 mg/kg bw/day	General population	Systemic
2-methoxy-1-methylethyl acetate	DNEL	Long term Inhalation	33 mg/m ³	General population	Local
	DNEL	Long term Dermal	796 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	550 mg/m ³	Workers	Local
	DNEL	Short term Oral	500 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	320 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	275 mg/m ³	Workers	Systemic

	DNEL	Long term Oral	36 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	33 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	33 mg/m ³	General population	Local
	DNEL	Long term Dermal	796 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	550 mg/m ³	Workers	Local
	DNEL	Short term Oral	500 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	320 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	275 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	36 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	33 mg/m ³	General population	Systemic
4-hydroxy-4-methylpentan-2-one	DNEL	Long term Oral	1,67 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	467 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	240 mg/m ³	Workers	Local
	DNEL	Long term Dermal	33 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	32,6 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	5,8 mg/m ³	General population	Systemic
	DNEL	Long term Oral	1,67 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	467 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	240 mg/m ³	Workers	Local
	DNEL	Long term Dermal	33 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	32,6 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	5,8 mg/m ³	General population	Systemic
2-(2-butoxyethoxy)ethyl acetate	DNEL	Long term Oral	7,9 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	100 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	60 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	7,9 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	100 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	60 mg/kg bw/day	General population	Systemic

PNECs

No PNECs available.

8.2 Exposure controls

- | | | |
|--|---|--|
| Appropriate engineering controls | : | Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. |
|
<u>Individual protection measures</u> | | |
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. |
|
<u>Skin protection</u> | | |
| Hand protection | : | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Body protection | : | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. |
| Other skin protection | : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection | : | Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. |
| Environmental exposure controls | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume |

scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	liquid
Color	:	White.
Odor	:	Not available.
Odor threshold	:	Not available.
Melting point/freezing point	:	Not available.
Initial boiling point and boiling range	:	Not available.
Flammability	:	Not available.
Lower and upper explosion limit	:	Lower: Not available. Upper: Not available.
Flash point	:	Closed cup: 41 °C (106 °F)
Auto-ignition temperature	:	Not Available
Decomposition temperature	:	Not available.
pH	:	Product is non-polar/aprotic.
Viscosity	:	Dynamic Not available. : Kinematic Not available. :
Solubility in water	:	Not available.
Partition coefficient: n-octanol/water	:	Not applicable.
Vapor pressure	:	
Relative density	:	1,57
Vapor density	:	Not available.
Explosive properties	:	Not available.
Oxidizing properties	:	Not available.
VOC	:	29,72 %(m)

Particle characteristics

Median particle size : Not applicable.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- 10.5 Incompatible materials** : Reactive or incompatible with the following materials: oxidizing materials
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
titanium dioxide				
	LD50 Oral	Rat	> 5 000 mg/kg	-
	LD50 Dermal	Rabbit	> 5 000 mg/kg	-
n-butyl acetate				
	LD50 Oral	Rat	10 768 mg/kg	-
	LD50 Dermal	Rabbit	17 600 mg/kg	-
2-butoxyethyl acetate				
	LD50 Oral	Rat	2 400 mg/kg	-
	LD50 Dermal	Rabbit	1 500 mg/kg	-
2-methoxy-1-methylethyl acetate				
	LD50 Oral	Rat	8 532 mg/kg	-
	LD50 Dermal	Rabbit	5 000 mg/kg	-
4-hydroxy-4-methylpentan-2-one				
	LD50 Oral	Rat	2 520 mg/kg	-
	LD50 Dermal	Rabbit	13 500 mg/kg	-
2-(2-butoxyethoxy)ethyl acetate				
	LD50 Oral	Rat	6 500 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	72,5 mg/l	4 h
	LD50 Dermal	Rabbit	14 500 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
T200-1001 WHITE	N/A	22791,5 mg/kg	N/A	167,1 mg/l	N/A
n-butyl acetate	10768 mg/kg	17600 mg/kg	N/A	N/A	N/A
2-butoxyethyl acetate	2400 mg/kg	1500 mg/kg	N/A	11 mg/l	N/A
2-methoxy-1-methylethyl acetate	8532 mg/kg	5000 mg/kg	N/A	N/A	N/A
4-hydroxy-4-methylpentan-2-one	2520 mg/kg	13500 mg/kg	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
n-butyl acetate	Eyes - Moderate irritant	Rabbit	-		-
	Skin - Moderate irritant	Rabbit	-	24 hrs	-
2-butoxyethyl acetate	Eyes - Mild irritant	Rabbit	-	24 hrs	-
	Skin - Mild irritant	Rabbit	-		-
4-hydroxy-4-methylpentan-2-one	Eyes - Severe irritant	Rabbit	-	24 hrs	-
	Skin - Mild irritant	Rabbit	-		-
	Eyes - Severe irritant	Rabbit	-		-
2-(2-butoxyethoxy)ethyl acetate	Eyes - Moderate irritant	Rabbit	-		-
	Skin - Mild irritant	Rabbit	-		-

Conclusion/Summary

Skin : Not available.
Eyes : Not available.
Respiratory : Not available.

Sensitization

Conclusion/Summary

Skin : Not available.
Respiratory : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
n-butyl acetate	Category 3	-	Narcotic effects
2-methoxy-1-methylethyl acetate	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Version: 4.1

Date of issue/Date of revision: 06.05.2025

Date of previous issue: 11.03.2025

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : Not available.

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

11.2. Information on other hazards

11.2.1 Endocrine disrupting properties : Not available.
11.2.2 Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
titanium dioxide			
	Acute LC50 > 1 000 mg/l Marine water	Fish - <i>Fundulus heteroclitus</i>	96 h
	Acute LC50 3 mg/l Fresh water	Crustaceans - <i>Ceriodaphnia dubia</i>	48 h
	Acute LC50 6,5 mg/l Fresh water	Daphnia - <i>Daphnia pulex</i>	48 h
n-butyl acetate			
	Acute LC50 18 mg/l Fresh water	Fish - <i>Pimephales promelas</i>	96 h
	Acute LC50 32 mg/l Marine water	Crustaceans - <i>Artemia salina</i>	48 h
4-hydroxy-4-methylpentan-2-one			
	Acute LC50 420 mg/l Marine water	Fish - <i>Menidia beryllina</i>	96 h

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
n-butyl acetate	2,3	-	low
2-butoxyethyl acetate	1,51	-	low
2-methoxy-1-methylethyl acetate	1,2	-	low
4-hydroxy-4-methylpentan-2-one	-0,14 - 1,03	-	low
2-(2-butoxyethoxy)ethyl acetate	1,7	-	low

12.4 Mobility in soil

Soil/water partition coefficient (KOC) : Not available.
Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties : Not available.

12.7 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	UN1210	UN1210	UN1210	UN1210
14.2 UN proper shipping name	PRINTING INK	PRINTING INK	PRINTING INK	PRINTING INK
14.3 Transport hazard class(es)	3 	3 	3 	3 
14.4 Packing group	III	III	III	III
14.5. Environmental hazards	No.	No.	No.	No.

Additional information

ADR/RID : **Tunnel code** (D/E)

14.6 Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
-------------------------	---	---------------------

No listed substance

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed
Industrial emissions : Not listed

Version: 4.1

Date of issue/Date of revision: 06.05.2025

Date of previous issue: 11.03.2025

**(integrated pollution
prevention and control) -
Water**

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

None of the components are listed.

Prior Informed Consent (PIC) (649/2012/EU)

None of the components are listed.

Persistent Organic Pollutants

None of the components are listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category
P5c

National regulations

Storage class (TRGS 510) : 3

Hazardous incident ordinance

This product is controlled under the Germany Hazardous Incident Ordinance.

Danger criteria

Category	Reference number
P5c	1.2.5.3

Hazard class for water : WGK 1

**Technical instruction on air
quality control** : TA-Luft Number 5.2.5: 31,4 %

AOX : Not available.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Chemical Weapons Convention List Schedule I Chemicals

None of the components are listed.

Chemical Weapons Convention List Schedule II Chemicals

None of the components are listed.

Chemical Weapons Convention List Schedule III Chemicals

None of the components are listed.

Montreal Protocol

None of the components are listed.

Stockholm Convention on Persistent Organic Pollutants

Annex A - Elimination - Production

None of the components are listed.

Annex A - Elimination - Use

None of the components are listed.

Annex B - Restriction - Production

None of the components are listed.

Annex B - Restriction - Use

None of the components are listed.

Annex C - Unintentional - Production

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Rotterdam Convention on Prior Informed Consent (PIC) - Industrial

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC) - Severely hazardous pesticide

None of the components are listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Heavy metals - Annex 1

None of the components are listed.

POPs - Annex 1 - Production

None of the components are listed.

POPs - Annex 1 - Use

None of the components are listed.

POPs - Annex 2

None of the components are listed.

POPs - Annex 3

None of the components are listed.

Inventory list

Australia	:	Not determined.
Canada	:	Not determined.
China	:	Not determined.
Eurasian Economic Union	:	Russian Federation inventory: Not determined.
Japan	:	Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.

Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.
Viet Nam	:	Not determined.

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 3, H226	On basis of test data

Full text of abbreviated H statements

H226	Flammable liquid and vapor.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications [CLP/GHS]

Acute Tox. 4	ACUTE TOXICITY - Category 4
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3

Date of printing : 06.05.2025
Date of issue/ Date of revision : 06.05.2025
Date of previous issue : 11.03.2025
Version : 4.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the

accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.