

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

1 Identification

- **Product identifier**
- **Trade name:** *Dr. Schutz Colorize (all colors)*
- **Application of the substance / the mixture** Sealing
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Supplier:
Dr. Schutz GmbH
Holbeinstraße 17
D-53175 Bonn
Tel: +49 228/95 35 2-0
Fax: +49 228/95 35 2-46
E-Mail: export@dr-schutz.com
- **Import:**
Schutz NA LLC
8701 Torresdale Ave
Suite P
Philadelphia PA 19136
USA
Tel.: +1 (877) 272-4889
Mobile: +1 610-310-2412
E-Mail: sam@dr-schutz.us
Web: www.schutzna.com
- **Information department:** Department for product development
- **Emergency telephone number:**
Dr. Schutz NA,
Contact: Sam Jamison
Tel.: 001/877 2724889
Mo-Fr 8am - 7pm

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
2,4,7,9-tetramethyldec-5-yne-4,7-diol
- **Hazard statements**
May cause an allergic skin reaction.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.

(Contd. on page 2)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: *Dr. Schutz Colorize (all colors)*

(Contd. of page 1)

If on skin: Wash with plenty of water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Specific treatment (see on this label).
 Wash contaminated clothing before reuse.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Information pertaining to particular dangers for man and environment:

- NFPA ratings (scale 0 - 4)



Health = 0

Fire = 1

Reactivity = 0

- HMIS-ratings (scale 0 - 4)



HEALTH 0 Health = 0

FIRE 1 Fire = 1

REACTIVITY 0 Reactivity = 0

- Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

3 Composition/information on ingredients

- Identification number(s) 6910-S040-400F-R0U3
- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

57-55-6	Propylene glycol	1-5%
121-44-8	triethylamine	≥0.1-<1%
126-86-3	2,4,7,9-tetramethyldec-5-yne-4,7-diol	≥0.1-<1%

4 First-aid measures

- Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air.
- After skin contact: Rinse with warm water.
- After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Rinse out mouth and then drink plenty of water.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: Nicht anwendbar
- Special hazards arising from the substance or mixture Danger of toxic pyrolysis products.
- Advice for firefighters
- Protective equipment: Do not inhale explosion gases or combustion gases.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: *Dr. Schutz Colorize (all colors)*

(Contd. of page 2)

• **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

• **Personal precautions, protective equipment and emergency procedures**

Avoid contact with the eyes and skin.

• **Environmental precautions:**

Prevent from spreading (e.g. by damming-in or oil barriers).

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

• **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

• **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.

• **Protective Action Criteria for Chemicals**

• **PAC-1:**

	Titandioxid	30 mg/m ³
57-55-6	Propylene glycol	30 mg/m ³
112945-52-5	Siliciumdioxid, auf chemischem Weg gewonnen	18 mg/m ³
121-44-8	triethylamine	1 ppm
126-86-3	2,4,7,9-tetramethyldec-5-yne-4,7-diol	30 mg/m ³
9005-00-9	Polyoxyethylenstearylether	5.7 mg/m ³
111-76-2	2-butoxyethanol	60 ppm
556-67-2	octamethylcyclotetrasiloxane	30 ppm
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one	0.6 mg/m ³

• **PAC-2:**

	Titandioxid	330 mg/m ³
57-55-6	Propylene glycol	1,300 mg/m ³
112945-52-5	Siliciumdioxid, auf chemischem Weg gewonnen	100 mg/m ³
121-44-8	triethylamine	170 ppm
126-86-3	2,4,7,9-tetramethyldec-5-yne-4,7-diol	330 mg/m ³
9005-00-9	Polyoxyethylenstearylether	63 mg/m ³
111-76-2	2-butoxyethanol	120 ppm
556-67-2	octamethylcyclotetrasiloxane	68 ppm
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one	6.6 mg/m ³

• **PAC-3:**

	Titandioxid	2,000 mg/m ³
57-55-6	Propylene glycol	7,900 mg/m ³
112945-52-5	Siliciumdioxid, auf chemischem Weg gewonnen	630 mg/m ³
121-44-8	triethylamine	1,000 ppm
126-86-3	2,4,7,9-tetramethyldec-5-yne-4,7-diol	2,000 mg/m ³
9005-00-9	Polyoxyethylenstearylether	380 mg/m ³
111-76-2	2-butoxyethanol	700 ppm
556-67-2	octamethylcyclotetrasiloxane	130 ppm

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: *Dr. Schutz Colorize (all colors)*

26172-55-4 | 5-chloro-2-methyl-2H-isothiazol-3-one

(Contd. of page 3)

40 mg/m³**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**
Follow instructions on the label and in the Technical Product Information Sheet.
Avoid contact with the eyes and skin.
- **Information about protection against explosions and fires:**
No special precautions are necessary if used correctly.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Protect from frost.
Store under lock and key and out of the reach of children.
Store receptacle in a well ventilated area.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

57-55-6 Propylene glycolWEEL | Long-term value: 10 mg/m³**121-44-8 triethylamine**

PEL	Long-term value: 100 mg/m ³ , 25 ppm
TLV	Short-term value: 4.14 mg/m ³ , 1 ppm Long-term value: 2.07 mg/m ³ , 0.5 ppm
	Skin

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
Be sure to clean skin thoroughly after work and before breaks.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Only use chemical-protective gloves with CE-labeling of category III.
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
- **Material of gloves**
Nitrile rubber, NBR
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

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: *Dr. Schutz Colorize (all colors)*

(Contd. of page 4)

substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

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

- **Eye protection:**

Where there is a danger of the eyes coming into contact with splashes of liquid (i.e. when refilling larger quantities), safety goggles according to EN 166 (i.e. goggles with side shields) are recommended.

- **Body protection:**

Not required.

Light weight protective clothing

- **Limitation and supervision of exposure into the environment**

Follow instructions for use, dosage and waste disposal.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid

Color: Whitish

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

- **pH-value at 20°C (68°F):** 8.5

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: >98°C (>208.4°F)

- **Flash point:** >100°C (>212°F) (Seta Flash Closed Cup)

- **Flammability (solid, gaseous):** Undetermined.

- **Ignition temperature:** 194°C (381.2°F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

- **Vapor pressure at 20°C (68°F):** 23 hPa (17.3 mm Hg)

- **Density at 20°C (68°F):** 1.035 g/cm³ (8.637 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

Water: Fully miscible.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

Dynamic: Not determined.

Kinematic at 20°C (68°F): 90 s (DIN 53211/4)

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: *Dr. Schutz Colorize (all colors)*

(Contd. of page 5)

- **Solvent content:**
 - Organic solvents:** 10.0 %
 - VOC content ASTM D3960:** 10.01 %
 - 103.6 g/l / 0.86 lb/gal
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** siehe Abschnitt "Möglichkeit gefährlicher Reaktionen"
- **Chemical stability** keine Angaben
- **Thermal decomposition / conditions to be avoided:**
Protect from frost.
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No dangerous reactions known.
- **Hazardous decomposition products:** Danger of toxic pyrolysis products.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Keine Daten verfügbar.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

	Titandioxid	2B
111-76-2	2-butoxyethanol	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** Undetermined.
- **Persistence and degradability**
Elimination of contained polymers is possible through precipitation or flocculation.
The solvent is biodegradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** Undetermined.
- **Mobility in soil** No further relevant information available.
- **Ecotoxic effects:**
- **Behavior in sewage processing plants:**
Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge. Before allowing large quantities to be fed into sewage plants, obtain the approval of the responsible authorities.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: *Dr. Schutz Colorize (all colors)*

(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must be specially treated adhering to official regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Not applicable |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Not applicable |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Not applicable |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not applicable |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

121-44-8 | triethylamine

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: Dr. Schutz Colorize (all colors)

(Contd. of page 7)

143-22-6	2-[2-(2-butoxyethoxy)ethoxy]ethanol
111-76-2	2-butoxyethanol

• TSCA (Toxic Substances Control Act):

7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
	Titandioxid	ACTIVE
29911-28-2	(2-butoxymethylethoxy)propanol	ACTIVE
57-55-6	Propylene glycol	ACTIVE
	Polyethersiloxan-Copolymer without labeling	*
84133-50-6	Alkohole, C12-C14-sekundär, ethoxyliert	ACTIVE
8042-47-5	White mineral oil, petroleum	ACTIVE
	Polyethersiloxan-Copolymer without labeling	*
121-44-8	triethylamine	ACTIVE
126-86-3	2,4,7,9-tetramethyldec-5-yne-4,7-diol	ACTIVE
143-22-6	2-[2-(2-butoxyethoxy)ethoxy]ethanol	ACTIVE
9005-00-9	Polyoxyethylenstearylether	ACTIVE
111-76-2	2-butoxyethanol	ACTIVE
2634-33-5	1,2-benzisothiazol-3(2H)-one	ACTIVE
541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	ACTIVE
556-67-2	octamethylcyclotetrasiloxane	ACTIVE
2682-20-4	2-methyl-2H-isothiazol-3-one	ACTIVE
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one	ACTIVE

• Hazardous Air Pollutants

121-44-8	triethylamine
----------	---------------

• Proposition 65

• Chemicals known to cause cancer:

Titandioxid

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

• Cancerogenity categories

• EPA (Environmental Protection Agency)

111-76-2	2-butoxyethanol	NL
----------	-----------------	----

• TLV (Threshold Limit Value)

	Titandioxid	A4
121-44-8	triethylamine	A4
111-76-2	2-butoxyethanol	A3

• NIOSH-Ca (National Institute for Occupational Safety and Health)

Titandioxid

• GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: *Dr. Schutz Colorize (all colors)*

(Contd. of page 8)

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
2,4,7,9-tetramethyldec-5-yne-4,7-diol

- **Hazard statements**

May cause an allergic skin reaction.

- **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**

- **Other regulations, limitations and prohibitive regulations**

Other regulations (EC): Directive 2004/42/EC

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

- **Training hints** ---

- **Recommended restriction of use**

Not intended for spraying and industrial processing.

Only for trade users

People who suffer from allergies, asthma, chronic or recurring respiratory illnesses should not be deployed in any process using the product.

- **Department issuing SDS:** Department for product development

- **Contact:**

Dr. Reindl

Dr. Reindl

- **Date of preparation / last revision** 06/15/2021 / 6

- **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

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 10/29/2020

Trade name: *Dr. Schutz Colorize (all colors)*

(Contd. of page 9)

NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Sens. 1: Skin sensitisation – Category 1

US