

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision date: 25-Feb-2022

Revision Number: 1

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

1.1. Product identifier

Product Name: **Mega 325 Hochglanzlatex Base C farblos**
Article number: 036530540000

Hazard components for labeling:
Contains 3(2H)-Isothiazolone, 2-methyl-, 1,2-Benzisothiazol-3(2H)-one, 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone

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

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners

1.3. Details of the supplier of the safety data sheet

Supplier: MEGA eG
Fangdieckstrasse 45
D - 22547 Hamburg
Telefon: +49 40/ 54004-0
Telefax: +49 40/ 54004-9
www.mega.de

Responsibility Statement: Department productsector paints and coatings
Telephone: 040 54004-528
E-mail address: technik@mega.de

1.4. Emergency telephone number

Emergency Telephone: +49 40 / 54004 - 528 (Mo. - Tue. 7.15 - 16.30 Uhr, Fr. bis 12.00 Uhr)

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	+43 1 406 43 43 (Giftinformationszentrale)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin sensitization	Category 1A - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements



Signal word: **Warning**

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Hazard components for labeling:

Contains 3(2H)-Isothiazolone, 2-methyl-, 1,2-Benzisothiazol-3(2H)-one, 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone

Hazard statements:

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

EU Specific Hazard Statements:

Precautionary Statements - EU (§28, 1272/2008):

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Harmful to aquatic life.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	CAS No	EC No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
White mineral oil, petroleum	8042-47-5	232-455-8	01-2119487078-27	Asp. Tox. 1 (H304)	0.1 - < 0.25
Diethylene glycol monobutyl ether	112-34-5	203-961-6	01-2119475104-44	Eye Irrit. 2 (H319)	0.1 - < 0.25
2-Butoxyethanol	111-76-2	203-905-0	01-2119475108-36	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H332)	0.1 - < 0.25
3(2H)-Isothiazolone, 2-methyl-	2682-20-4	220-239-6	01-2120764690-50	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH071)	0.01 - < 0.05
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	55965-84-9	611-341-5 911-418-6	01-2120764691-48	Acute Tox. 3 (H301) Acute Tox. 2 (H310) Skin Corr. 1B (H314) Skin Sens. 1A (H317) Eye Dam. 1 (H318) Acute Tox. 2 (H330) Aquatic Acute 1 (H400)	0.001 - < 0.005

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				Aquatic Chronic 1 (H410) (EUH071)	
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Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
3(2H)-Isothiazolone, 2-methyl-2682-20-4	Skin Sens. 1A :: C>=0.0015%	10	10	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Skin Corr. 1C :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.6% Eye Dam. 1 :: C>=0.6% Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Sens. 1A :: C>=0.0015%	100	100	

Acute Toxicity Estimate:

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
White mineral oil, petroleum 8042-47-5	5005	No data available	No data available	No data available	No data available
Diethylene glycol monobutyl ether 112-34-5	2410	2764	No data available	No data available	No data available
2-Butoxyethanol 111-76-2	1300	2001	1.5	11	No data available
3(2H)-Isothiazolone, 2-methyl-2682-20-4	120	242	0.34	0.501	No data available
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	457	660	0.0501	0.501	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice:	Show this safety data sheet to the doctor in attendance.
Inhalation:	Remove to fresh air.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact:	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

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Ingestion: Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Itching. Rashes. Hives.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians: May cause sensitization in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: Product is or contains a sensitizer. May cause sensitization by skin contact.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For emergency responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

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6.4. Reference to other sections

Reference to other sections: See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling



Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Other information: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits:

Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
White mineral oil, petroleum 8042-47-5		TWA: 5 mg/m ³				TWA: 5 mg/m ³
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 10 ppm TWA: 67 mg/m ³	TWA: 50 mg/m ³ STEL: 100 mg/m ³ H*	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 67.5 mg/m ³ STEL: 101.2 mg/m ³
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ *	TWA: 10 ppm TWA: 49 mg/m ³ H*	TWA: 100 mg/m ³ STEL: 246 mg/m ³ H*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 245 mg/m ³ via dérmica*	TWA: 25 ppm TWA: 123 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Sk*	TWA: 98 mg/m ³ STEL: 246 mg/m ³ b*

Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 68 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 101.2 mg/m ³ STEL: 15 ppm	TWA: 10 ppm TWA: 68 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³	TWA: 100 mg/m ³ Ceiling: 100 mg/m ³

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Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
2-Butoxyethanol 111-76-2	TWA: 10 ppm TWA: 49 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ *	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ cute*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Cutânea*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ iho*	TWA: 20 ppm TWA: 98 mg/m ³ H*	TWA: 100 mg/m ³ Ceiling: 200 mg/m ³ D*

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
White mineral oil, petroleum 8042-47-5		TWA: 5 mg/m ³				MAC: 5 mg/m ³ Skin
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	TWA: 10 ppm TWA: 67 mg/m ³ STEL: 15 ppm STEL: 101 mg/m ³	STEL: 100 mg/m ³ TWA: 67 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³ STEL: 20 ppm STEL: 102 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	MAC: 10 mg/m ³
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL 40 ppm STEL 200 mg/m ³ H*	TWA: 10 ppm TWA: 49 mg/m ³ STEL: 20 ppm STEL: 98 mg/m ³ H*	STEL: 200 mg/m ³ TWA: 98 mg/m ³ skóra*	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 20 ppm STEL: 75 mg/m ³ H*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Sk*	MAC: 5 mg/m ³
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	TWA: 0.05 mg/m ³ Sh+	S+ TWA: 0.2 mg/m ³ STEL: 0.4 mg/m ³				
5-Chloro-2-methyl-3(2H)-i sothiazolone, mixture with 2-methyl-3(2H)-isothiazolo ne 55965-84-9	TWA: 0.05 mg/m ³ Sh+	S+ TWA: 0.2 mg/m ³				

Biological occupational exposure limits:

Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
2-Butoxyethanol 111-76-2	-	150 mg/g Creatinine (urine - Butoxyacetic acid (after hydrolysis) for long-term exposures: at the end of the shift after several shifts) 150 mg/g Creatinine (urine - Butoxyacetic acid (after hydrolysis) end of shift) 150 mg/g Creatinine - BAT (for long-term exposures: at the end of the shift after several shifts) urine 150 mg/g Creatinine - BAT (end of exposure or end of shift) urine		200 mg/g Creatinine - urine (Butoxyacetic acid (with hydrolysis)) - end of shift	240 mmol/mol creatinine - urine (Butoxyacetic acid) - post shift	

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
2-Butoxyethanol	-	150 mg/g	-	-	200 mg/g	

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Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
111-76-2		creatinine - urine (2-Butoxyacetic acid (after hydrolysis)) - end of shift, and after several shifts (for long-term exposures)			Creatinine (urine - end of shift)	

Derived No Effect Level (DNEL):

component information:

Worker - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
White mineral oil, petroleum	164.56 mg/m ³			
Diethylene glycol monobutyl ether	67.5 mg/m ³		67.5 mg/m ³	101.2 mg/m ³
2-Butoxyethanol	98 mg/m ³	1091 mg/m ³		246 mg/m ³
3(2H)-Isothiazolone, 2-methyl-			0.021 mg/m ³	0.043 mg/m ³
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone			0.02 mg/m ³	0.04 mg/m ³

Worker - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
White mineral oil, petroleum	217.05 mg/kg bw/day			
Diethylene glycol monobutyl ether	83 mg/kg bw/day			
2-Butoxyethanol	125 mg/kg bw/day	89 mg/kg bw/day		

Consumer - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
White mineral oil, petroleum	34.78 mg/m ³			
Diethylene glycol monobutyl ether	40.5 mg/m ³		40.5 mg/m ³	60.7 mg/m ³
2-Butoxyethanol	59 mg/m ³	426 mg/m ³		147 mg/m ³
3(2H)-Isothiazolone, 2-methyl-			0.021 mg/m ³	0.043 mg/m ³
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone			0.02 mg/m ³	0.04 mg/m ³

Consumer - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
White mineral oil, petroleum	93.02 mg/kg bw/day			
Diethylene glycol monobutyl ether	50 mg/kg bw/day			
2-Butoxyethanol	75 mg/kg bw/day	89 mg/kg bw/day		

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consumer - oral:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
White mineral oil, petroleum	25 mg/kg bw/day			
Diethylene glycol monobutyl ether	5 mg/kg bw/day			
2-Butoxyethanol	6.3 mg/kg bw/day	26.7 mg/kg bw/day		
3(2H)-Isothiazolone, 2-methyl-	0.027 mg/kg bw/day	0.053 mg/kg bw/day		
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	0.09 mg/kg bw/day	0.11 mg/kg bw/day		

Predicted No Effect Concentration (PNEC):

component information:

Chemical name	Diethylene glycol monobutyl ether CAS: 112-34-5
Freshwater	1.1 mg/L
Marine water	0.11 mg/L
Freshwater (intermittent release)	11 mg/L
Sewage treatment	200 mg/L
Freshwater sediment	4.4 mg/kg sediment dw
Marine sediment	0.44 mg/kg sediment dw
Soil	0.32 mg/kg soil dw
Food chain	56 mg/kg food
Chemical name	2-Butoxyethanol CAS: 111-76-2
Freshwater	8.8 mg/L
Marine water	0.88 mg/L
Freshwater (intermittent release)	26.4 mg/L
Sewage treatment	463 mg/L
Freshwater sediment	34.6 mg/kg sediment dw
Marine sediment	3.46 mg/kg sediment dw
Soil	2.33 mg/kg soil dw
Food chain	0.02 g/kg food
Chemical name	3(2H)-Isothiazolone, 2-methyl- CAS: 2682-20-4
Freshwater	3.39 µg/L
Marine water	3.39 µg/L
Freshwater (intermittent release)	3.39 µg/L
Marine water (intermittent release)	3.39 µg/L
Sewage treatment	0.23 mg/L
Soil	0.0471 mg/kg soil dw
Chemical name	5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone CAS: 55965-84-9
Freshwater	3.39 µg/L
Marine water	3.39 µg/L
Freshwater (intermittent release)	3.39 µg/L
Marine water (intermittent release)	3.39 µg/L
Sewage treatment	0.23 mg/L
Freshwater sediment	0.027 mg/kg sediment dw

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Marine sediment	0.027 mg/kg sediment dw
Soil	0.01 mg/kg soil dw

8.2. Exposure controls

Engineering controls: None under normal use conditions.

Personal protective equipment: The usual precautionary measures for the handling of chemicals have to be observed.



Eye/face protection: Wear safety glasses with side shields (or goggles).

Hand protection: Wear suitable gloves.

PPE - Glove material	Glove thickness	Break through time
NBR (Nitrile rubber)	0.4 mm	>=480 min.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Recommended Filter Type: Filtering device (full mask or mouthpiec) with filter: AP-2

Environmental exposure controls: No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Liquid
 Color: yellow
 Odor: characteristic

			Conditions	Method	Remarks
Melting point / melting range					Not established
Boiling point / boiling range	>	107	°C		
Flammability					Not established
Decomposition temperature					not relevant
Flash point					None known
Autoignition temperature					None known
Lower explosive limit					not relevant
Upper explosion limit					not relevant
Vapor pressure					Not established
Density	~	1.042	g/cm ³	20 °C	
Water solubility					Miscible
pH		9 - 10		20 °C	
pH (as aqueous solution)					Not established
Partition coefficient					Not established
Kinematic viscosity					None known
Odor threshold					Not established
Relative density					Not established
Evaporation rate					Not established

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Relative vapor density no data available
Particle Size no data available
Particle Size Distribution no data available

9.2. Other information

Bulk density: no data available
Softening point No information available
Molecular weight No information available

9.2.1. Information with regard to physical hazard classes:

Explosive properties Not an explosive
Oxidizing properties Not oxidising.

9.2.2. Other safety characteristics: No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: No information available.

10.2. Chemical stability

Stability: Stable under normal conditions.

Explosion data:

Sensitivity to mechanical impact: None.
Sensitivity to static discharge: None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

10.5. Incompatible materials

Incompatible materials: None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products: None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Product Information:

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Inhalation: Specific test data for the substance or mixture is not available.

Eye contact: Specific test data for the substance or mixture is not available.

Skin contact: May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

Ingestion: Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: Itching. Rashes. Hives.

Numerical measures of toxicity:

Acute toxicity: The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (inhalation-dust/mist): 79.10 mg/l

Component Information:

Chemical name	Parameter	Species	effektive Dosis	Method
White mineral oil, petroleum 8042-47-5	Oral LD50	Rat	> 5000 mg/kg	
Diethylene glycol monobutyl ether 112-34-5	Oral LD50	Mouse	2410 mg/kg	OECD 401
2-Butoxyethanol 111-76-2	Oral LD50	Rat	1300 mg/kg	OECD 401
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Oral LD50	Rat	120 mg/kg	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Oral LD50	Rat	457 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
Diethylene glycol monobutyl ether 112-34-5	Dermal LD50	Rabbit	2764 mg/kg	OECD 402
2-Butoxyethanol 111-76-2	Dermal LD50	Guinea pig	> 2000 mg/kg	OECD 402
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Dermal LD50	Rabbit	200 mg/kg	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	Dermal LD50	Rabbit	660 mg/kg	

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
2-Butoxyethanol 111-76-2	Inhalation LC0	Guinea pig	> 3.1 mg/L	1 h	OECD 403
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	Inhalation LC50	Rat	0.34 mg/L	4 h	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with	Inhalation LC50	Rat	171 - 2360 mg/m ³	4 h	

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Chemical name	Parameters	Species	Effective dose	Exposure time	Method
2-methyl-3(2H)-isothiazolone 55965-84-9					

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Skin corrosion/irritation:	No information available.
Serious eye damage/eye irritation:	No information available.
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.
Aspiration hazard:	No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity: Harmful to aquatic life with long lasting effects.

fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
White mineral oil, petroleum 8042-47-5	LC50	Lepomis macrochirus	> 10000 mg/L	96 h	
Diethylene glycol monobutyl ether 112-34-5	LC50	Lepomis macrochirus	1300 mg/L	96 h	OECD 203
2-Butoxyethanol 111-76-2	LC50	Lepomis macrochirus	1490 mg/L	96 h	OECD 203
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	LC50		4.77 mg/L	96 h	
5-Chloro-2-methyl-3(2H)-isothi azolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	LC50	Oncorhynchus mykiss	0.22 mg/L	96 h	OECD 203

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toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Diethylene glycol monobutyl ether 112-34-5	EC50	Daphnia magna	2850 mg/L	48 h	
2-Butoxyethanol 111-76-2	EC50	Daphnia magna	1550 mg/L	48 h	OECD 202
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	LC50		0.934 mg/L	48 h	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	Daphnia magna	0.1 mg/L	48 h	OECD 202

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Diethylene glycol monobutyl ether 112-34-5	EC50	Desmodesmus subspicatus	> 100 mg/L	96 h	OECD 201
2-Butoxyethanol 111-76-2	EC50	Pseudokirchneriella subcapitata	> 900 mg/L	72 h	OECD 201
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	EC50		0.103 mg/L	72 h	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	Pseudokirchneriella subcapitata	0.048 mg/L	72 h	OECD 201

Bacteria toxicity:

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
2-Butoxyethanol 111-76-2	EC0	pseudomonas putida	> 700 mg/L	16 h	DIN 38412 part 8
3(2H)-Isothiazolone, 2-methyl- 2682-20-4	EC50		41 mg/L	3 h	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	activated sludge	7.92 mg/L	3 h	

12.2. Persistence and degradability

Persistence and degradability:

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
Diethylene glycol monobutyl ether 112-34-5	89-93 %	28 d	Yes	Aerobic biological treatment	
2-Butoxyethanol	90.4 %	28 d	Yes	Aerobic biological	DIN 301 B

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Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
111-76-2				treatment	
3(2H)-Isothiazolone, 2-methyl-2682-20-4	100 %	0.07 d	Yes		
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	> 60 %	28 d	Yes		OECD 301

12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
White mineral oil, petroleum 8042-47-5	5.1	
Diethylene glycol monobutyl ether 112-34-5		99.9
2-Butoxyethanol 111-76-2	0.81	3.2
3(2H)-Isothiazolone, 2-methyl-2682-20-4		3.16
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	0.69	3.16

12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

Chemical name	PBT and vPvB assessment
White mineral oil, petroleum 8042-47-5	The substance is not PBT / vPvB
Diethylene glycol monobutyl ether 112-34-5	The substance is not PBT / vPvB
2-Butoxyethanol 111-76-2	The substance is not PBT / vPvB
3(2H)-Isothiazolone, 2-methyl-2682-20-4	The substance is not PBT / vPvB
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties.

No information available.

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12.7. Other adverse effects.

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products: Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

Contaminated packaging: Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV: 08 01 12 (waste paint and varnish other than those mentioned in 08 01 11)

SECTION 14: Transport information

14.1. UN number

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.2 UN proper shipping name

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.3. Transport hazard class(es)

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.4. Packing group

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.5. Environmental hazards

ADR:	Not regulated
RID:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

14.6. Special precautions for user

ADR:	Not regulated
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Special Provisions: None
RID: Not regulated
Special Provisions: None
IMDG: Not regulated
Special Provisions: None
IATA: Not regulated
Special Provisions: None

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available

SECTION 15: Regulatory information

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

European Union:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

- This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
Diethylene glycol monobutyl ether 112-34-5		55. 75.
2-Butoxyethanol 111-76-2		75.
3(2H)-Isothiazolone, 2-methyl- 2682-20-4		75.
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9		3

Persistent Organic Pollutants: Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

EU - Plant Protection Products (1107/2009/EC):

Chemical name	EU - Plant Protection Products (1107/2009/EC)
White mineral oil, petroleum 8042-47-5	Only uses as insecticide and acaricide may be authorised (important details in Commission Implementing Regulation 2021/1449/EU, listed under part A); Conditions of use shall include, where appropriate, risk mitigation measures (important details in Commission Implementing Regulation 2021/1449/EU, listed under part A); Member States concerned shall request - the submission of the specification of the technical material as commercially manufactured to verify the compliance with purity criteria of European Pharmacopoeia. 6.0. They shall ensure that the notifiers provides such information to the Commission

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Chemical name	EU - Plant Protection Products (1107/2009/EC)
	by June 30, 2010 (important details in Commission Implementing Regulation 2021/1449/EU, listed under part A)

Biocidal Products Regulation (EU) No 528/2012 (BPR):

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
3(2H)-Isothiazolone, 2-methyl-2682-20-4	13 - Working or cutting fluid preservatives 12 - Slimicides 11 - Preservatives for liquid-cooling and processing systems
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	2 - Disinfectants and algacides not intended for direct application to humans or animals 4 - Food and feed area disinfectant 6 - Preservatives for products during storage 11 - Preservatives for liquid-cooling and processing systems 12 - Slimicides 13 - Working or cutting fluid preservatives

volatile organic compounds (VOC) content:

acc. reg. 2010/75/EG: 2.67 %
acc. reg. 2004/42/EG (Decopaint): 2.67 %

National regulations:

Denmark:

Chemical name	Denmark - MAL
Diethylene glycol monobutyl ether 112-34-5	0 m3/10 g substance MAL factor ≥10.0 % by weight [3]
2-Butoxyethanol 111-76-2	25 m3/10 g substance MAL factor ≥10.0 % by weight [3]
3(2H)-Isothiazolone, 2-methyl-2682-20-4	0 m3/10 g substance MAL factor ≥0.03 - 1.0 % by weight [3] ≥0.003 - 1.0 % by weight [3] ≥1.0 % by weight [6]

Germany:

Water hazard class (WGK): slightly hazardous to water (WGK 1) - Classification according to AwSV

Chemical name	WGK Classification (AwSV)	ID number
White mineral oil, petroleum 8042-47-5	1	434
Diethylene glycol monobutyl ether 112-34-5	1	46
2-Butoxyethanol 111-76-2	1	47
3(2H)-Isothiazolone, 2-methyl-2682-20-4	3	2960
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	3	2959

TA Luft (German Air Pollution Control Regulation):

org. substances (Ziffer 5.2.5): 5 - 10%
org. subst. (digit 5.2.5) class I: < 5%

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Storage class (TRGS 510): LGK12 - Non-combustible liquids

France:

Occupational Illnesses (R-463-3, France):

Chemical name	French RG number
White mineral oil, petroleum 8042-47-5	RG 36bis
Diethylene glycol monobutyl ether 112-34-5	RG 84
2-Butoxyethanol 111-76-2	RG 84

RG 36bis - Cancers caused by the following petroleum derivatives: mildly refined or unrefined mineral oils and regenerated mineral oils used in plant operations and for treatment of metals, aromatic extracts, cracking residues, used motor oils and soots from combustion of petroleum products

RG 84 - Occupational conditions caused by liquid organic solvents

Netherlands:

Water contaminating class (Netherlands): B (4)

Austria:

Flammable Liquids Regulations, VbF: Not regulated

Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 0.24 %

International Inventories:

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report: No information available

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SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

Full text of H-Statements referred to under section 3:

EUH071 - Corrosive to the respiratory tract
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H310 - Fatal in contact with skin
H311 - Toxic in contact with skin
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H330 - Fatal if inhaled
H332 - Harmful if inhaled
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects

Legend:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)
BCF: Bio-Concentration Factor
BOD(5): Biochemical oxygen demand (within 5 days)
CAS: Chemical Abstract Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic, toxic for Reproduction
DIN: German Standards Institute / German industrial norm
DNEL: Derived No Effect Level
DOC: Dissolved organic carbon
EAK/ AVV: European waste catalogue/ waste directory-regulation
EC50: Effective Concentration 50%
ECHA: European Chemical Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
IATA: International Air Transport Association
IC50: Inhibition Concentration 50%
IMDG: International Maritime Dangerous Goods Code
LC50: Lethal Concentration 50% - LD50: Lethal dose 50%
MAK: Treshold limit values Germany
NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
OECD: Organization for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PC: Product category
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation and Authorization of Chemicals
RID: Regulations concerning the international carriage of dangerous goods by rail

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(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)

STEL: Short-term Exposure Limit

STP: Sewage treatment plant

SVHC: Substance of Very High Concern

TLV: Threshold Limit Value

TWA: Time Weighted Average

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent, very bioaccumulative

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ceiling: Maximum limit value

* Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS:

European Chemicals Agency (ECHA)

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

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RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006:

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End of Safety Data Sheet