

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-Aug-2021

Revision Number: 1

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

1.1. Product identifier

Product Name: Novicoat Heizkoerperlack Glzd. weiss
Article number: 021095330514

Hazard components for labeling: Contains Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

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

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners
Sector of uses [SU]: SU19 - Building and construction work

1.3. Details of the supplier of the safety data sheet

Supplier: conti coatings GmbH
Feldstrasse 55
D - 46149 Oberhausen
Telefon: +49 208/ 9948-0
Telefax: +49 208/ 650625
www.conticoatings.com

E-mail address: sds.ob@kluthe.com

1.4. Emergency telephone number

Emergency Telephone: +49 177 / 214 4737 (24 h)

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

Flammable liquids	Category 3 - (H226)
Skin sensitization	Category 1A - (H317)

2.2. Label elements



Signal word: Warning

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Hazard components for labeling:

Contains Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Hazard statements:

H226 - Flammable liquid and vapor.

H317 - May cause an allergic skin reaction.

EU Specific Hazard Statements:

EUH066 - Repeated exposure may cause skin dryness or cracking.

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

P403 + P235 - Store in a well-ventilated place. Keep cool

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

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P370 + P378 - In case of fire: Use dry chemical, CO₂, water spray or alcohol-resistant foam to extinguish

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

2.3. Other hazards

No information available.

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-%
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics	-	918-167-1	01-2119472146-39	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic 4 (H413) (EUH066)	10 - < 25
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics	-	918-481-9	01-2119457273-39	Asp. Tox. 1 (H304) (EUH066)	5 - < 10
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	-	919-857-5	01-2119463258-33	Flam. Liq. 3 (H226) STOT SE 3 (H336) Asp. Tox. 1 (H304) (EUH066)	3 - < 5
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	162627-17-0	-	01-2119970640-38	Skin Sens. 1A (H317)	0.25 - < 0.5
Propylene glycol monomethyl ether	107-98-2	203-539-1	01-2119457435-35	Flam. Liq. 3 (H226) STOT SE 3 (H336)	0.1 - < 0.25
Propylene glycol monomethyl	108-65-6	203-603-9	01-2119475791-29	Flam. Liq. 3 (H226)	0.05 - < 0.1

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ether acetate				STOT SE 3 (H336)	
Dipropylene glycol monomethyl ether	34590-94-8	252-104-2	01-2119450011-60	[B]	0.01 - < 0.05
Phosphoric acid	7664-38-2	231-633-2	01-2119485924-24	Met. Corr. 1 (H290) Acute Tox. 4 (H302) Skin Corr. 1B (H314) Eye Dam. 1 (H318)	0.01 - < 0.05
Quartz	14808-60-7	238-878-4	-	[B]	0.01 - < 0.05

[B] - Substance with a Community workplace exposure limit

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Phosphoric acid 7664-38-2	Skin Corr. 1B :: C>=25% Skin Irrit. 2 :: 10%<=C<25% Eye Irrit. 2 :: 10%<=C<25%			B

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	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics -	5005	5005	No data available	No data available	No data available
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, <2% aromatics -	No data available	5005	8.5	No data available	No data available
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, <2% aromates -	5005	5005	No data available	5005	No data available
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine 162627-17-0	10001	No data available	No data available	No data available	No data available
Propylene glycol monomethyl ether 107-98-2	4016	13000	No data available	36.7	No data available
Propylene glycol monomethyl ether acetate 108-65-6	8532	5005	No data available	No data available	No data available
Dipropylene glycol monomethyl ether 34590-94-8	5350	9500	21	No data available	No data available
Phosphoric acid 7664-38-2	1530	2740	No data available	No data available	No data available

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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 immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion:	Rinse mouth.
Self-protection of the first aider:	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

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: Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

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: Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. 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.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information: Ventilate the area.

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

6.2. Environmental precautions

Environmental precautions: Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment: Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up: Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

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

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: Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear

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suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations: Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

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
Propylene glycol monomethyl ether 107-98-2	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ *	TWA: 100 ppm TWA: 370 mg/m ³	TWA: 375 mg/m ³ STEL: 563 mg/m ³ H*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ via dérmica*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ Sk*	TWA: 375 mg/m ³ STEL: 568 mg/m ³ b*
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm STEL: 550 mg/m ³ *	TWA: 50 ppm TWA: 270 mg/m ³	TWA: 550 mg/m ³	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm STEL: 550 mg/m ³ via dérmica*	TWA: 50 ppm TWA: 274 mg/m ³ STEL: 100 ppm STEL: 548 mg/m ³ Sk*	TWA: 275 mg/m ³ STEL: 550 mg/m ³
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m ³ *	TWA: 50 ppm TWA: 310 mg/m ³	TWA: 300 mg/m ³	TWA: 50 ppm TWA: 308 mg/m ³ via dérmica*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Sk*	TWA: 308 mg/m ³
Phosphoric acid 7664-38-2	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³
Quartz 14808-60-7	TWA: 0.1 mg/m ³		TWA: 0.075 mg/m ³	TWA: 0.05 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.15 mg/m ³

Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
Propylene glycol monomethyl ether 107-98-2	TWA: 50 ppm TWA: 188 mg/m ³ STEL: 100 ppm STEL: 375 mg/m ³ *	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ pelle*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³	TWA: 100 ppm TWA: 370 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ iho*	TWA: 50 ppm TWA: 185 mg/m ³ H*	TWA: 270 mg/m ³ Ceiling: 550 mg/m ³ D*
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm	TWA: 50 ppm TWA: 270 mg/m ³ STEL: 100 ppm	TWA: 50 ppm TWA: 275 mg/m ³ H*	TWA: 270 mg/m ³ Ceiling: 550 mg/m ³

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Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
	STEL: 550 mg/m ³ *	STEL: 550 mg/m ³ pelle*	STEL: 550 mg/m ³ P*	STEL: 550 mg/m ³ iho*		D*
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m ³ *	TWA: 50 ppm TWA: 308 mg/m ³ pelle*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm P*	TWA: 50 ppm TWA: 310 mg/m ³ iho*	TWA: 50 ppm TWA: 309 mg/m ³ H*	TWA: 270 mg/m ³ Ceiling: 550 mg/m ³ D*
Phosphoric acid 7664-38-2	TWA: 0.2 ppm TWA: 1 mg/m ³ STEL: 0.5 ppm STEL: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³	TWA: 1 mg/m ³ Ceiling: 2 mg/m ³
Quartz 14808-60-7	TWA: 0.1 mg/m ³		TWA: 0.025 mg/m ³	TWA: 0.05 mg/m ³	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -		TWA: 50 ppm TWA: 300 mg/m ³ STEL: 100 ppm STEL: 600 mg/m ³	STEL: 900 mg/m ³ TWA: 300 mg/m ³			
Propylene glycol monomethyl ether 107-98-2	TWA: 50 ppm TWA: 187 mg/m ³ STEL 50 ppm STEL 187 mg/m ³ Ceiling 50 ppm Ceiling 187 mg/m ³ H*	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 200 ppm STEL: 720 mg/m ³	STEL: 360 mg/m ³ TWA: 180 mg/m ³	TWA: 50 ppm TWA: 180 mg/m ³ STEL: 75 ppm STEL: 225 mg/m ³ H*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³	
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m ³ STEL 100 ppm STEL 550 mg/m ³ H*	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 50 ppm STEL: 275 mg/m ³	STEL: 520 mg/m ³ TWA: 260 mg/m ³	TWA: 50 ppm TWA: 270 mg/m ³ STEL: 75 ppm STEL: 337.5 mg/m ³ H*	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm STEL: 550 mg/m ³ Sk*	MAC: 10 mg/m ³
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 307 mg/m ³ STEL 100 ppm STEL 614 mg/m ³ H*	TWA: 50 ppm TWA: 300 mg/m ³ STEL: 50 ppm STEL: 300 mg/m ³	STEL: 480 mg/m ³ TWA: 240 mg/m ³	TWA: 50 ppm TWA: 300 mg/m ³ STEL: 75 ppm STEL: 375 mg/m ³ H*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Sk*	
Phosphoric acid 7664-38-2	TWA: 1 mg/m ³ STEL 2 mg/m ³	TWA: 2 mg/m ³ STEL: 4 mg/m ³	STEL: 2 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	
Quartz 14808-60-7	TWA: 0.15 mg/m ³	TWA: 0.15 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³ STEL: 0.9 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.1 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³

Biological occupational exposure limits:

Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
Propylene glycol monomethyl ether 107-98-2	-	15 mg/L - urine (1-Methoxypropan-2-ol) - end of shift			-	

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
Propylene glycol monomethyl ether 107-98-2	-	20 mg/L - urine (1-Methoxypropan-ol-2) - end of shift	-	-	-	

Derived No Effect Level (DNEL):

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component information:

Worker - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	871 mg/m ³			
Propylene glycol monomethyl ether	369 mg/m ³	553.5 mg/m ³		553.5 mg/m ³
Propylene glycol monomethyl ether acetate	275 mg/m ³			550 mg/m ³
Dipropylene glycol monomethyl ether	308 mg/m ³			
Phosphoric acid	10.7 mg/m ³		1 mg/m ³	2 mg/m ³

Worker - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	208 mg/kg bw/day			
Propylene glycol monomethyl ether	183 mg/kg bw/day			
Propylene glycol monomethyl ether acetate	796 mg/kg bw/day			
Dipropylene glycol monomethyl ether	283 mg/kg bw/day			

Consumer - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	185 mg/m ³			
Propylene glycol monomethyl ether	43.9 mg/m ³			
Propylene glycol monomethyl ether acetate	33 mg/m ³		33 mg/m ³	
Dipropylene glycol monomethyl ether	37.2 mg/m ³			
Phosphoric acid	4.57 mg/m ³		0.36 mg/m ³	

Consumer - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	125 mg/kg bw/day			
Propylene glycol monomethyl ether	78 mg/kg bw/day			

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Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Propylene glycol monomethyl ether acetate	320 mg/kg bw/day			
Dipropylene glycol monomethyl ether	121 mg/kg bw/day			
Phosphoric acid	0.1 mg/kg bw/day			

consumer - oral:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	125 mg/kg bw/day			
Propylene glycol monomethyl ether	33 mg/kg bw/day			
Propylene glycol monomethyl ether acetate	36 mg/kg bw/day			
Dipropylene glycol monomethyl ether	36 mg/kg bw/day			

Predicted No Effect Concentration (PNEC):

component information:

Chemical name	Propylene glycol monomethyl ether
Freshwater	10 mg/L
Marine water	1 mg/L
Intermittent release	100 mg/L
Impact on Sewage Treatment	100 mg/L
Freshwater sediment	52.3 mg/kg dry weight
Marine sediment	5.2 mg/kg dry weight
Soil	4.59 mg/kg

Chemical name	Propylene glycol monomethyl ether acetate
Freshwater	0.635 mg/L
Marine water	0.0635 mg/L
Intermittent release	6.35 mg/L
Impact on Sewage Treatment	100 mg/L
Freshwater sediment	3.29 mg/kg
Marine sediment	0.329 mg/kg
Soil	0.29 mg/kg

Chemical name	Dipropylene glycol monomethyl ether
Freshwater	19 mg/L
Marine water	1.9 mg/L
Intermittent release	190 mg/L
Impact on Sewage Treatment	4168 mg/L
Freshwater sediment	70.2 mg/kg
Marine sediment	7.02 mg/kg
Soil	2.74 mg/kg

8.2. Exposure controls

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Engineering controls: None under normal use conditions.

Personal protective equipment:



Eye/face protection: Tight sealing safety goggles.

Hand protection: Wear suitable gloves. Impervious 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. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

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 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 white

Odor characteristic

	Conditions	Method	Remarks
Melting point / melting range			Not established

Boiling point / boiling range	>	100	°C
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Flammability Not established

Decomposition temperature not relevant

Flash point	~	41	°C
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Autoignition temperature None known

Lower explosive limit not relevant

Upper explosion limit not relevant

Vapor pressure	>	1100	hPa	50 °C
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Density	~	1.332	g/cm ³	20 °C	
Water solubility					slightly soluble
pH					Not applicable
pH (as aqueous solution)					Not established
Partition coefficient					Not established
Kinematic viscosity	>	21	mm ² /s	40 °C	
Odor threshold					Not established
Relative density					Not established
Evaporation rate					Not established
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:	Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

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10.4. Conditions to avoid

Conditions to avoid: Heat, flames and sparks.

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:

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) 146.90 mg/l

Component Information:

Chemical name	Parameter	Species	effektive Dosis	Method
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics -	Oral LD50	Rat	> 5000 mg/kg	
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	Oral LD50	Rat	> 5000 mg/kg	
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	Oral LD50	Rat	> 5000 mg/kg	
Fatty acids, C18, unsaturated, dimers, reaction products with	Oral LD50	Rat	> 10000 mg/kg	OECD 401

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Chemical name	Parameter	Species	effektive Dosis	Method
N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine 162627-17-0				
Propylene glycol monomethyl ether 107-98-2	Oral LD50	Rat	4016 mg/kg	
Propylene glycol monomethyl ether acetate 108-65-6	Oral LD50	Rat	> 2000 mg/kg	OECD 401
Dipropylene glycol monomethyl ether 34590-94-8	Oral LD50	Rat	5.35 g/kg	
Phosphoric acid 7664-38-2	Oral LD50	Rat	1530 mg/kg	OECD 423

Chemical name	Parameters	Species	Effective dose	Method
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics -	Dermal LD50	Rabbit	> 5000 mg/kg	
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	Dermal LD50	Rabbit	> 5000 mg/kg	
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	Dermal LD50	Rabbit	> 5000 mg/kg	
Propylene glycol monomethyl ether 107-98-2	Dermal LD50	Rabbit	> 2000 mg/kg	
Propylene glycol monomethyl ether acetate 108-65-6	Dermal LD50	Rabbit	> 5000 mg/kg	OECD 402
Dipropylene glycol monomethyl ether 34590-94-8	Dermal LD50	Rabbit	9500 mg/kg	
Phosphoric acid 7664-38-2	Dermal LD50	Rabbit	2740 mg/kg	

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	Inhalation LC50	Rat	> 5000 mg/L	4 h	
Propylene glycol monomethyl ether 107-98-2	Inhalation LC50	Rat	36.7 mg/L	4 h	OECD 403
Dipropylene glycol monomethyl ether 34590-94-8	Inhalation LC50	Rat	21 mg/L		
Phosphoric acid 7664-38-2	Inhalation LC50	Rat	> 850 mg/m ³	1 h	

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

Skin corrosion/irritation:

No information available.

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Serious eye damage/eye irritation:	No information available.
Respiratory or skin sensitization:	May cause sensitization by skin contact.
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:

fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	LL0	Oncorhynchus mykiss	1000 mg/L	96 h	
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	LL50	Oncorhynchus mykiss	> 1000 mg/L	96 h	OECD 203
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine 162627-17-0	LC50	Leuciscus idus	> 150 mg/L	48 h	
Propylene glycol monomethyl ether 107-98-2	LC50	Leuciscus idus	4600 - 10000 mg/L	96 h	DIN 38412
Propylene glycol monomethyl ether acetate 108-65-6	LC50	Pimephales promelas	161 mg/L	96 h	
Dipropylene glycol	LC50	Pimephales promelas	> 10000 mg/L	96 h	

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Chemical name	Parameter	Species	Effective dose	Exposure time	Method
monomethyl ether 34590-94-8					
Phosphoric acid 7664-38-2	LC50	Gambusia affinis	3 - 3.5 mg/L	96 h	

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	EL0	Daphnia magna	1000 mg/L	48 h	
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	EL50	Daphnia magna	> 1000 mg/L	48 h	OECD 202
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediam ine and 1,3-propanediamine 162627-17-0	EL50	Daphnia magna	> 100 mg/L	48 h	OECD 202
Propylene glycol monomethyl ether 107-98-2	EC50	Daphnia magna	23300 mg/L	48 h	
Propylene glycol monomethyl ether acetate 108-65-6	EC50	Daphnia magna	> 500 mg/L	48 h	
Dipropylene glycol monomethyl ether 34590-94-8	LC50	Daphnia magna	1919 mg/L	48 h	
Phosphoric acid 7664-38-2	EC50	Daphnia magna	> 100 mg/L	48 h	OECD 202

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	EL0	Pseudokirchneriella subcapitata	1000 mg/L	72 h	
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	EL50	Pseudokirchneriella subcapitata	> 1000 mg/L	24 h	OECD 201
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediam ine and 1,3-propanediamine 162627-17-0	ErL50	Pseudokirchneriella subcapitata	> 100 mg/L	72 h	OECD 201
Propylene glycol monomethyl ether 107-98-2	EC50	Pseudokirchneriella subcapitata	> 1000 mg/L	7 d	OECD 201

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Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Propylene glycol monomethyl ether acetate 108-65-6	EC50	Selenastrum capricornutum	> 1000 mg/L	72 h	OECD 201
Phosphoric acid 7664-38-2	EC50	Desmodesmus subspicatus	> 100 mg/L	72 h	OECD 201

Bacteria toxicity:

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine 162627-17-0	IC50	pseudomonas putida	> 430 mg/L	16 h	
Propylene glycol monomethyl ether 107-98-2	EC50	activated sludge	> 1000 mg/L	3 h	
Propylene glycol monomethyl ether acetate 108-65-6	EC10	activated sludge	> 1000 mg/L	0.5 h	
Phosphoric acid 7664-38-2	EC50	activated sludge	> 1000 mg/L	3 h	

12.2. Persistence and degradability

Persistence and degradability:

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	80 %	28 d	Yes		
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	80 %	28 d	Yes		OECD 301F
Propylene glycol monomethyl ether 107-98-2	96 %	28 d	Yes	Aerobic biological treatment	
Propylene glycol monomethyl ether acetate 108-65-6	83 %	28 d	Yes	Aerobic biological treatment	OECD 301 F
Dipropylene glycol monomethyl ether 34590-94-8	75 %	28 d	Yes		OECD 301F
Phosphoric acid 7664-38-2			Yes		

12.3. Bioaccumulative potential

Bioaccumulation:

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Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics -	6.7-7.2	
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	3	
Propylene glycol monomethyl ether 107-98-2	0.37	<2
Propylene glycol monomethyl ether acetate 108-65-6	0.43	< 100
Dipropylene glycol monomethyl ether 34590-94-8	-0.064	

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
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	The substance is not PBT / vPvB
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine 162627-17-0	The substance is not PBT / vPvB
Propylene glycol monomethyl ether 107-98-2	The substance is not PBT / vPvB
Propylene glycol monomethyl ether acetate 108-65-6	The substance is not PBT / vPvB
Dipropylene glycol monomethyl ether 34590-94-8	The substance is not PBT / vPvB
Phosphoric acid 7664-38-2	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties.

No information available.

12.7. Other adverse effects.

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused Should not be released into the environment. Dispose of in accordance with local

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products: regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Waste codes / waste designations according to EWC / AVV: 08 01 11* (Waste paint and varnish containing organic solvents or other dangerous substances)

SECTION 14: Transport information

14.1. UN number

ADR:	UN1263
RID:	UN1263
IMDG:	UN1263
IATA:	UN1263

14.2 UN proper shipping name

ADR:	PAINT
UN1263, PAINT, 3, III	

RID:	PAINT
UN1263, PAINT, 3, III	

IMDG:	PAINT
UN1263, PAINT, 3, III, (41°C C.C.)	

IATA:	PAINT
UN1263, PAINT, 3, III	

14.3. Transport hazard class(es)

ADR:	3
Hazard label(s)	3
Classification code	F1
Hazard identification number (Kemler No.)	30
Tunnel restriction code	(D/E)
Limited quantity (LQ)	5 L
ADR excepted quantity	E1

RID:	3
Labels	3
Classification code	F1

IMDG:	3
Hazard label(s)	3
Limited quantity (LQ)	5 L
IMDG Excepted Quantity	E1
EmS-No	F-E, S-E

IATA:	3
Hazard label(s)	3
IATA Excepted Quantity	E1

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14.4. Packing group

ADR: III
RID: III
IMDG: III
IATA: III

14.5. Environmental hazards

ADR: Not regulated
RID: Not regulated
IMDG: no marine pollutant
IATA: Not regulated

14.6. Special precautions for user

ADR:
Special Provisions: 163, 650, 367
Note: 2.2.3.1.5.1: n. a. < 450 L
RID:
Special Provisions: 163, 650, 367
IMDG:
Special Provisions: 163, 223, 367, 955
IATA:
Special Provisions: A3, A72, A192
ERG Code 3L

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
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics		28.
-		29.
Phosphoric acid 7664-38-2		75.

Persistent Organic Pollutants:

Not applicable

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Dangerous substance category per Seveso Directive (2012/18/EU):

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

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

volatile organic compounds (VOC) content:

acc. reg. 2010/75/EG:

33.5 %

acc. reg. 2004/42/EG (Decopaint):

447 g/L

National regulations:

Denmark:

Chemical name	Denmark - MAL
Propylene glycol monomethyl ether acetate 108-65-6	19 m3/10 g substance MAL factor >0 % by weight [1]
Dipropylene glycol monomethyl ether 34590-94-8	5 m3/10 g substance MAL factor >0 % by weight [1]
Phosphoric acid 7664-38-2	0 m3/10 g substance MAL factor >=5.0 - 15.0 % by weight [3] >=15.0 % by weight [4]
Quartz 14808-60-7	0 m3/10 g substance MAL factor 0.1 mg/m ³ Limit Value respirable >=0.1 - 2 % by weight [3] >=1 - 10 % by weight [3] >=10 % by weight [6] >=2 % 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
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics -	1	27
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	1	-
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	1	-
Fatty acids, C18, unsaturated, dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine 162627-17-0	1	-
Propylene glycol monomethyl ether 107-98-2	1	1597
Propylene glycol monomethyl ether acetate 108-65-6	1	5033
Dipropylene glycol monomethyl ether 34590-94-8	1	5087

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Chemical name	WGK Classification (AwSV)	ID number
Phosphoric acid 7664-38-2	1	392
Quartz 14808-60-7	nwg	849

TA Luft (German Air Pollution Control Regulation):
total dust incl. fine dust (digit 5.2.1): 35 - 40%
inorg. subst. dust (digit 5.2.2) class III: < 5%
org. substances (Ziffer 5.2.5): 30 - 35%

Storage class (TRGS 510): 3 • LGK3 - Flammable liquids

France:

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

Chemical name	French RG number
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	RG 84
Propylene glycol monomethyl ether 107-98-2	RG 84
Propylene glycol monomethyl ether acetate 108-65-6	RG 84
Dipropylene glycol monomethyl ether 34590-94-8	RG 84
Quartz 14808-60-7	RG 25

RG 25 - Conditions resulting from inhalation of mineral dusts containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite, or coal.

RG 84 - Occupational conditions caused by liquid organic solvents

Netherlands:

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins	ZZS list: SVHC	(p)ZZS list: potential SVHC
Quartz 14808-60-7	Present X				

Austria:

Flammable Liquids Regulations, VbF: Flammable liquids: All

Switzerland:

VOC content:: acc. VOCV CH 814.018, att. 1: 32.4 %

International Inventories:

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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

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:

- EUH066 - Repeated exposure may cause skin dryness or cracking
- H226 - Flammable liquid and vapor
- H290 - May be corrosive to metals
- H302 - Harmful if swallowed
- H304 - May be fatal if swallowed and enters airways
- H314 - Causes severe skin burns and eye damage
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H336 - May cause drowsiness or dizziness
- H413 - May cause long lasting harmful effects to aquatic life

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

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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
(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
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)

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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
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:

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet