

Safety Data Sheet

542

Replaces date: 21/02/2025

Revision date: 25/06/2025
Version: 2.0.0

SECTION 1: Identification

1.1. GHS Product identifier

Trade name: 542

1.2. Recommended use of the chemical and restrictions on use

Recommended uses: Glue/adhesive

1.3. Supplier's details

Supplier

Company: Mouldpro ApS
Address: Baltorpbakken 10
Zip code: 2750
City: Ballerup
Country: DENMARK
Email: sales@mouldpro.com
Phone: +45 70 20 31 31
Homepage: www.mouldpro.com

1.4. Emergency phone Number

+ 45 70 20 31 31 (Mouldpro) The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification: Skin irritation, Category 2;H315
Eye irritation, Category 2/2A;H319

Most serious harmful effects: Causes skin irritation. Causes serious eye irritation.

2.2. GHS label elements, including precautionary statements

Pictograms



Signal word: Warning

Hazard Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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2.3. Other hazards which do not result in classification

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	Concentration	Notes
2-carboxyethyl acrylate	24615-84-7	1 - 3 %	
methacrylic acid, monoester with propane-1,2-diol	27813-02-1	0.99 - 1.98 %	
1-Acetyl-2-Phenylhydrazine	114-83-0	0.1 -< 1 %	
mequinol	150-76-5	0.1 -< 1 %	
2,2'-[(4-methylphenyl)imino]bisethanol	3077-12-1	0.1 -< 1 %	
tert-butyl hydroperoxide	75-91-2	0.68 - 0.936 %	

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eye contact:	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
General:	Bring the safety data sheet or label when seeking medical advice.

4.2. Most important symptoms/effects, acute and delayed

Irritating to eyes. Causes a burning sensation and tearing. Irritating to skin - may cause reddening. The product contains small amounts of mequinol, 2,2'-[(4-methylphenyl)imino]bisethanol, 1-Acetyl-2-Phenylhydrazine, tert-butyl hydroperoxide. Individuals with a known allergy may exhibit an allergic response to the product.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use a jet of water, as it may spread the fire.

5.2. Specific hazards arising from the chemical

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

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5.3. Special protective actions for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear safety goggles. Wear gloves. Wear respiratory protective equipment.

For emergency responders: In addition to the above: Protective suit is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and materials for containment and cleaning up

Contain and absorb spills using sand or other absorbent, non-combustible material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, drugs, etc. Do not expose to heat (e.g. sunlight). Keep in tightly closed original packaging. Store in a dry, cool, well-ventilated area. Do not store with the following: Oxidizers.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: There are no official GHS occupational exposure limits. Be aware of possible national occupational exposure limits.

Measuring methods: Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below. Work under effective process ventilation (e.g. local exhaust ventilation).

Personal protective equipment, eye/face protection: Wear safety goggles.

Personal protective equipment, hand protection: Wear gloves. Type of material and thickness: Nitrile rubber. (0.4 mm). Breakthrough time has not been determined for the product. Change gloves often. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material

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thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Personal protective equipment, respiratory protection: Not required.
Use process ventilation. If this is not possible, use respiratory equipment. Filter type: A.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
Physical state	Liquid
Color	Dark brown
Odour	Characteristic
Solubility	Partly soluble in the following: Water. Soluble in the following: Organic solvents.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Lower and upper flammability limit	No data	
Lower and upper explosion limit	No data	
Flash Point	> 93 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	~ 1500	Cone and Plate (CPs) (25 °C)
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	No data	
Relative density	~ 1.06	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Oxidizers.

10.2. Chemical stability

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The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight).

10.5. Incompatible materials

Avoid contact with the following: Oxidizers.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on health hazard classes

Acute toxicity - oral

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 401	

mequinol, cas-no 150-76-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 423	

2,2'-(4-methylphenyl)imino]bisethanol, cas-no 3077-12-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		959 mg/kg bw		OECD 401	

tert-butyl hydroperoxide, cas-no 75-91-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		560 mg/kg bw			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Ingestion may cause discomfort.

Acute toxicity - dermal

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000 mg/kg bw			

mequinol, cas-no 150-76-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 423	

2,2'-(4-methylphenyl)imino]bisethanol, cas-no 3077-12-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 402	

tert-butyl hydroperoxide, cas-no 75-91-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		440 mg/kg bw		OECD 402	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation

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tert-butyl hydroperoxide, cas-no 75-91-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50		1.58 - 2.16 mg/l		OECD 403	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation: Irritating to skin - may cause reddening.

Serious eye damage/eye irritation: Irritating to eyes. Causes a burning sensation and tearing.

Respiratory sensitization or skin sensitization: The product does not have to be classified. Test data are not available. The product contains small amounts of mequinol, 2,2'-[(4-methylphenyl)imino]bisethanol, 1-Acetyl-2-Phenylhydrazine, tert-butyl hydroperoxide. Individuals with a known allergy may exhibit an allergic response to the product.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: The product does not have to be classified. Test data are not available. Inhalation of vapors is irritating to the upper airways.

Repeated STOT exposure

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LOAEC	90d	350 ppm		OECD 413	
Rat	NOAEL	90d	300 mg/kg bw		OECD 422	
Rat		90d	100 ppm		OECD 413	

mequinol, cas-no 150-76-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LOAEL	90d	300 mg/kg bw		OECD 422	
Rat	NOAEL	90d	150 mg/kg bw		OECD 422	

2,2'-[(4-methylphenyl)imino]bisethanol, cas-no 3077-12-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	90dNOAEL		100 mg/kg bw		OECD 407	

tert-butyl hydroperoxide, cas-no 75-91-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	90dLOAEC (inhalation)		0.0667 mg/l		OECD 412	
Rat	90dNOAEL (ORAL)		21 mg/kg bw		OECD 422	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

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SECTION 12: Ecological information

12.1. Toxicity

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna		EC50	> 143 mg/l			
Algae	Raphidocelis subcapitata		72hEC50	> 97.2 mg/l			
Crustacea	Daphnia magna		21dNOEC	45.2 mg/l			

mequinol, cas-no 150-76-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		LC50	28.5 mg/l			
Crustacea	Daphnia magna		EC50	3 mg/l			
Algae	Pseudokirchneriella subcapitata		72hEC50	19 - 54.7 mg/l			
Crustacea	Daphnia magna		21dLOEC	> 1.45 mg/l			
Crustacea	Daphnia magna		21dNOEC	0.68 mg/l			

2,2'-[(4-methylphenyl)imino]bisethanol, cas-no 3077-12-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Cyprinus carpio		LC50	> 100 mg/l			
Crustacea	Daphnia magna		48hEC50	48 mg/l			
Algae	Pseudokirchneriella subcapitata		72hEC50	> 100 mg/l			

tert-butyl hydroperoxide, cas-no 75-91-2

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas		LC50	29.61 mg/l			
Crustacea	Daphnia magna		EC50	14.1 mg/l			
Algae	Pseudokirchneriella subcapitata		72hEC50	0.8 - 1.5 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

2-carboxyethyl acrylate, cas-no 24615-84-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

methacrylic acid, monoester with propane-1,2-diol, cas-no 27813-02-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

1-Acetyl-2-Phenylhydrazine, cas-no 114-83-0

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Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

mequinol, cas-no 150-76-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

2,2'-[(4-methylphenyl)imino]bisethanol, cas-no 3077-12-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

tert-butyl hydroperoxide, cas-no 75-91-2

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

Not expected to be biodegradable.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Not expected to be mobile in soil. Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

14.1. UN number: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.4. Packing group, if applicable: Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to IMO instruments

Not applicable.

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Special Provisions: None.

15.2. Chemical Safety Assessment

Substance name

mequinol

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.0.0	25/06/2025	DOL	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

Abbreviations:
PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with GHS Rev. 10 (2023).

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components. Test data.

SDS is prepared by

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