

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023
Version: 1.1.0

SECTION 1: Identification

1.1. GHS Product identifier

Trade name: 77

1.2. Recommended use of the chemical and restrictions on use

Recommended uses: Sealing agent.

1.3. Supplier's details

Supplier

Company: Mouldpro ApS
Address: Baltorpbakken 10
Zip code: 2750
City: Ballerup
Country: DENMARK
E-mail: 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: Eye irritation, Category 2/2A;H319
Specific target organ toxicity - single exposure, Category 3;H335

Most serious harmful effects: Causes serious eye irritation. May cause respiratory irritation.

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023
Version: 1.1.0

2.2. GHS label elements, including precautionary statements

Pictograms



Signal word: Warning

Hazard Statements

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulation.

2.3. Other hazards which do not result in classification

Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance | CAS No./ EC No./ REACH Reg. No. | Concentration | Notes |
|---|---|---------------|-------|
| α,α -dimethylbenzyl hydroperoxide | 80-15-9 201-254-7 01-2119475796-19 | 0.5 - 2.5 % | |
| mequinol | 150-76-5 205-769-8 01-2119541813-40 | 0.1 - 1 % | |
| N,N-dimethyl-p-toluidine | 99-97-8 202-805-4 01-2119937766-23 | 0.1 - 1 % | |
| 2,2'-[(4-methylphenyl)imino]bisethanol | 3077-12-1 221-359-1 | 0.1 - 1 % | |
| 1-Acetyl-2-Phenylhydrazine | 114-83-0 | 0.1 - 1 % | |

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. Seek medical advice in case of persistent discomfort. Wash skin with soap and water.

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.

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023

Version: 1.1.0

4.2. Most important symptoms/effects, acute and delayed

Irritating to eyes. Causes a burning sensation and tearing. Inhalation of vapors is irritating to the upper airways.

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.

5.3. Special protective actions for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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 respiratory protective equipment. Wear safety goggles. Wear gloves.

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 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. Use the product under well-ventilated conditions.

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. Keep in tightly closed original packaging. Store in a dry, cool, well-ventilated area. Do not store with the following: Oxidizers.

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023

Version: 1.1.0

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.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

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

Personal protective equipment, hand protection: Wear gloves. Type of material and thickness: Nitrile rubber. ($\geq 0,4$ 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 thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Personal protective equipment, respiratory protection: Light use (small volume, shortterm contact (below 10 min.)): Not required.
Medium use (medium volume, medium contact (1-2 hours)): Wear respiratory protective 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 | Red |
| Odour | Characteristic |
| Solubility | No data |

| 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 | No data | |
| Viscosity | 6000 - 8000 cP | |
| Partition coefficient n-octanol/water (log value) | No data | |
| Vapour pressure | No data | |

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023

Version: 1.1.0

| | | |
|-----------------------------|---------|--|
| Density | No data | |
| Relative density | 1.1 | |
| 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

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

None known.

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

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 | |

mequinol, cas-no 150-76-5

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|--------------|------------|-------------|--------|
| Rat | LD50 | | > 2000 mg/kg | | | |

N,N-dimethyl-p-toluidine, cas-no 99-97-8

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|------------|------------|-------------|--------|
| Rat | LD50 | | 1650 mg/kg | | OECD 401 | |
| Mouse | LD50 | | 139 mg/kg | | | |

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

Acute toxicity - dermal

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

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|--------|------------|-------------|--------|
| Rat | LD50 | | > 2000 | | OECD 402 | |

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023

Version: 1.1.0

mequinol, cas-no 150-76-5

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

N,N-dimethyl-p-toluidine, cas-no 99-97-8

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-----------------|------------|-------------|--------|
| Rabbit | LD50 | | > 2000 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

α,α -dimethylbenzyl hydroperoxide, cas-no 80-15-9

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|---------|------------|-------------|--------|
| Rat | LC50 | | 220 ppm | | | |

N,N-dimethyl-p-toluidine, cas-no 99-97-8

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|----------|------------|-------------|--------|
| Rat | | | 1.4 mg/l | | | |

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

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.

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: Inhalation of vapors is irritating to the upper airways.

Repeated STOT exposure

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 | |

mequinol, cas-no 150-76-5

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|--------------|---------------|--------------|------------|-------------|--------|
| Rat | LOAEL (oral) | 90d | 300 mg/kg bw | | OECD 422 | |
| Rat | NOAEL | 90d | 150 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.

SECTION 12: Ecological information

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023

Version: 1.1.0

12.1. Toxicity

α,α -dimethylbenzyl hydroperoxide, cas-no 80-15-9

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|-----------|---------------------|---------------|-----------|------------|------------|-------------|--------|
| Fish | Oncorhynchus mykiss | | LC50 | 3.9 mg/l | | | |
| Crustacea | Daphnia magna | | EC50 | 18.84 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 | | | |

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 | | | |

N,N-dimethyl-p-toluidine, cas-no 99-97-8

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|----------|---------------------------------|---------------|-----------|--------------|------------|-------------|--------|
| Fish | Pimephales promelas | | LC50 | 46 mg/l | | | |
| Algae | Pseudokirchneriella subcapitata | | 72hEC50 | 2437002 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

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023
Version: 1.1.0

None known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Avoid discharge to drain or surface water.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Empty, cleansed packaging should be disposed of for recycling.

SECTION 14: Transport information

| | | | |
|--|-----------------|--|-----------------|
| 14.1. UN number: | Not applicable. | 14.4. Packing group, if applicable: | Not applicable. |
| 14.2. UN proper shipping name: | Not applicable. | 14.5. Environmental hazards: | Not applicable. |
| 14.3. Transport hazard class(es): | Not applicable. | | |

14.6. Special precautions for user

None.

14.7. Transport in bulk according to IMO instruments

Not applicable.

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

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

| Version | Revision date | Responsible | Changes |
|---------|---------------|--------------------------|---------|
| 1.1.0 | 8/25/2023 | Bureau Veritas HSE / DOL | 2,16 |

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. 9 (2021).

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.

Safety Data Sheet

77

Replaces date: 11/30/2022

Revision date: 8/25/2023
Version: 1.1.0

SDS is prepared by

Company: Bureau Veritas HSE Denmark A/S
Address: Oldenborggade 25-31
Zip code: 7000
City: Fredericia
Country: DENMARK
E-mail: infohse@bureauveritas.com
Phone: +45 77 31 10 00
Homepage: www.bureauveritas.dk

Country: UN