

Revision date: 16 Jun 2020 Version: 1.0.0.0. Print date: 7 Jul 2020

## Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

#### 1.1. Product identifier

**Trade name/designation:**

Grunder/Spærrer

**Article No.:**

2-327

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

**Use of the substance/mixture:**

Coating material

#### 1.3. Details of the supplier of the safety data sheet

**Supplier (manufacturer/importer/only representative/downstream user/distributor):**

**Nordic Chic**

Dragstrupvej 9

3250 Gilleleje

Denmark

**Telephone:** +45 22 25 60 80

**E-mail:** mmchale@nordicchic.dk

**Website:** www.nordicchic.dk

**E-mail (competent person):** mmchale@nordicchic.dk

#### 1.4. Emergency telephone number

+45 22 25 60 80 (Only available during office hours.)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**Hazard statements: -**

Supplemental hazard information	
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**Precautionary Statements: -**

#### 2.3. Other hazards

**Adverse environmental effects:**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### SECTION 3: Composition / information on ingredients



#### 3.2. Mixtures

**Description:**

Mixtures

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**Hazardous ingredients / Hazardous impurities / Stabilisers:**

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 6846-50-0 EC No.: 229-934-9 REACH No.: 01-2119451093-47-0001	<b>1-isopropyl-2,2-dimethyltrimethylene diisobutyrate</b> Aquatic Chronic 3 H412	2.5 - < 10 weight-%
CAS No.: 2634-33-5 EC No.: 220-120-9	<b>1,2-benzisothiazol-3(2H)-one</b> Acute Tox. 4, Aquatic Acute 1, Eye Dam. 1, Skin Irrit. 2, Skin Sens. 1  <b>Danger</b> H302-H315-H317-H318-H400	0 - ≤ 0.03 weight-%
CAS No.: 55965-84-9 INDEX No.: 613-167-00-5	<b>Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).</b> Acute Tox. 2, Acute Tox. 3, Aquatic Acute 1, Aquatic Chronic 1, Eye Dam. 1, Skin Corr. 1C, Skin Sens. 1A  <b>Danger</b> H301-H310-H314-H317-H330-H410-EUH071 M-factor (acute): 100 M-factor (chronic): 100	0 - < 0.0015 weight-%

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

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information:**

When in doubt or if symptoms are observed, get medical advice.

**Following inhalation:**

Provide fresh air. Call a doctor if you feel unwell.

**In case of skin contact:**

After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner.

**After eye contact:**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**After ingestion:**

Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

**Self-protection of the first aider:**

No special measures are necessary.

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

No known symptoms to date.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media:**

Water mist, alcohol resistant foam, Dry extinguishing powder, Carbon dioxide (CO<sub>2</sub>),

**Unsuitable extinguishing media:**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

**Hazardous combustion products:**

No further relevant information available.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**5.4. Additional information**

Do not allow run-off from fire-fighting to enter drains or water courses.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

**Personal precautions:**

Special danger of slipping by leaking/spilling product.

**Protective equipment:**

Wear suitable protective clothing and eye/face protection.

**Emergency procedures:**

No special measures are necessary.

#### 6.1.2. For emergency responders

**Personal protection equipment:**

No special measures are necessary.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

**For containment:**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Clear contaminated areas thoroughly. Wash with plenty of water.

**Other information:**

Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### 6.5. Additional information

Clear spills immediately.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

When using do not eat, drink or smoke. Wear personal protection equipment (refer to section 8).

**Fire prevent measures:**

No special measures are necessary.

**Measures to prevent aerosol and dust generation:**

not relevant

**Environmental precautions:**

Keep only in the original container in a cool, well-ventilated place.

**Advices on general occupational hygiene**

Wash hands before breaks and after work. When using do not eat, drink or smoke. Avoid contact with eyes and skin.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:**

The product is stable under storage at normal ambient temperatures. Protect against: Frost

**Packaging materials:**

Keep/Store only in original container.

**Requirements for storage rooms and vessels:**

Store in a well-ventilated place. Keep container tightly closed. Protect against: Frost

**Hints on storage assembly:**

not relevant

**Storage class:** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

**Recommendation:**

Observe technical data sheet.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

No data available

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	110 mg/m <sup>3</sup>	① DNEL worker ② inhalative, long-term, systemic
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	32.6 mg/m <sup>3</sup>	① DNEL Consumer ② inhalative, long-term, systemic
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	31.2 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	18.8 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	18.8 mg/kg bw/day	① DNEL worker ② oral, long-term, systemic

Substance name	PNEC Value	① PNEC type
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	0.014 mg/l	① PNEC aquatic, freshwater
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	0.0014 mg/l	① PNEC aquatic, marine water
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	5.29 mg/kg	① PNEC sediment, freshwater
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS No.: 6846-50-0	0.529 mg/kg	① PNEC sediment, marine water

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

When using do not eat, drink or smoke. Wash hands before breaks and after work.

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Eye glasses Eye glasses with side protection DIN EN 166

##### Skin protection:

Tested protective gloves must be worn. Suitable material: CR (polychloroprene, chloroprene rubber) NBR (Nitrile rubber) . Permeation time (maximum wear time) >8h. See information supplied by the manufacturer. In the case of wanting to use the gloves again, clean them before taking off and air them well.

##### Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

##### Thermal hazards:

See chapter 7. No additional measures necessary.

##### Other protection measures:

Provide adequate ventilation.

#### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

Avoid contact with eyes and skin. When using do not eat, drink or smoke. Wash hands before breaks and after work.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Colour:** light yellow

**Odour:** not determined

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	8.5	20 °C		
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.02 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

Frost , Heat . Protect from direct sunlight.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

In case of fire may be liberated: Hazardous decomposition products : Carbon dioxide , Carbon monoxide

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
6846-50-0	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	<b>LD<sub>50</sub> oral:</b> 2,000 mg/kg (Rat) OECD 425 <b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg (Rabbit) OECD 402
2634-33-5	1,2-benzisothiazol-3(2H)-one	<b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg (Rat) OECD 402 <b>LD<sub>50</sub> oral:</b> 1,020 mg/kg (Rat)
55965-84-9	Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).	<b>LD<sub>50</sub> oral:</b> 53 mg/kg (Rat)

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**Acute oral toxicity:**

Based on available data, the classification criteria are not met.

**Acute dermal toxicity:**

Based on available data, the classification criteria are not met.

**Acute inhalation toxicity:**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:**

Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).. May produce an allergic reaction.

**Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

**Carcinogenicity:**

Based on available data, the classification criteria are not met.

**Reproductive toxicity:**

Based on available data, the classification criteria are not met.

**STOT-single exposure:**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

**Aspiration hazard:**

Based on available data, the classification criteria are not met.

**Additional information:**

No data available

**SECTION 12: Ecological information**

**12.1. Toxicity**

CAS No.	Substance name	Toxicological information
6846-50-0	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	<p><b>LC<sub>50</sub></b>: &gt;6 mg/l 4 d (fish, Lepomis macrochirus (B luegill))</p> <p><b>EC<sub>50</sub></b>: &gt;1.46 mg/l 2 d (crustaceans, Daphnia magna (Big water flea))</p> <p><b>ErC<sub>50</sub></b>: &gt;7.49 mg/l 3 d (Algae/water plant, Pseud okirchneriella subcapitata)</p> <p><b>NOEC</b>: 0.7 mg/l 21 d (crustaceans, Daphnia magna (Big water flea))</p>
2634-33-5	1,2-benzisothiazol-3(2H)-one	<p><b>LC<sub>50</sub></b>: 0.8 mg/l 4 d (fish)</p> <p><b>EC<sub>50</sub></b>: 4.4 mg/l 2 d (crustaceans)</p>
55965-84-9	Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).	<p><b>LC<sub>50</sub></b>: &gt;0.19 - &lt;2.13 mg/l 4 d (fish)</p> <p><b>LC<sub>50</sub></b>: =0.56 mg/l 2 d (crustaceans)</p> <p><b>EC<sub>50</sub></b>: &gt;0.18 - &lt;13 mg/l 2 d (crustaceans)</p> <p><b>EC<sub>50</sub></b>: =0.13 mg/l 3 d (Algae/water plant)</p> <p><b>EC<sub>50</sub></b>: =0.06 mg/l 4 d (Algae/water plant)</p> <p><b>LC<sub>50</sub></b>: &gt;0.07 - &lt;0.3 mg/l 4 d (fish)</p> <p><b>LC<sub>50</sub></b>: =0.056 mg/l 2 d (crustaceans)</p> <p><b>EC<sub>50</sub></b>: =0.18 mg/l 2 d (crustaceans)</p>

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### 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
6846-50-0	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	Yes, rapidly	

### 12.3. Bioaccumulative potential

CAS No.	Substance name	Log K <sub>ow</sub>	Bioconcentration factor (BCF)
6846-50-0	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	4.49	2.69

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
6846-50-0	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
2634-33-5	1,2-benzisothiazol-3(2H)-one	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
55965-84-9	Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Do not allow to enter into surface water or drains. Recycle according to official regulations.

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product:

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
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#### Waste treatment options

#### Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

#### Appropriate disposal / Package:

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN-No.</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant			
<b>14.4. Packing group</b>			
not relevant			
<b>14.5. Environmental hazards</b>			
not relevant			
<b>14.6. Special precautions for user</b>			
not relevant			

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**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
not relevant

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Authorisations:

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

Maximum VOC content (g/L) of the product in a ready to use condition: < 1,0

VOC product category: h

type: Wb

VOC limit value: 30g/L

#### 15.1.2. National regulations

No data available

### 15.2. Chemical Safety Assessment

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

#### Classification according to Regulation (EC) No 1272/2008 [CLP]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal 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.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Supplemental hazard information

EUH071	Corrosive to the respiratory tract.
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### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.