

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

DANAFIX 478

**Product no.**

-

**REACH registration number**

Not applicable

**Other means of identification**

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

**Relevant identified uses of the substance or mixture**

Adhesive for industri

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

Dana Lim A/S  
Københavnsvej 220  
DK-4600 Køge  
Denmark  
phone: +45 56 64 00 70  
fax: +45 56 64 00 90

**Contact person**

Product Safety Department

**E-mail**

info@danalim.dk

**SDS date**

06-03-2015

**SDS Version**

1.0

### 1.4. Emergency telephone number

Use your national or local emergency number  
See section 4 "First aid measures"

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

This product is not classified as dangerous.

See full text of H/R-phrases in section 2.2.

**DPD/DSD Classification**

-

-

### 2.2. Label elements

**Hazard pictogram(s)**

-

**Signal word**

-

**Hazard statement(s)**

-

<b>Safety statement(s)</b>	General	-
	Prevention	-

Response -  
 Storage -  
 Disposal -

**Identity of the substances primarily responsible for the major health hazards**

**2.3. Other hazards**

**Additional labelling**

Contains Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. Safety data sheet available on request. (EUH210)

**Additional warnings**

**VOC**

**SECTION 3: Composition/information on ingredients**

**3.1/3.2. Substances**

NAME: oxydipropyl dibenzoate  
 IDENTIFICATION NOS.: CAS-no: 27138-31-4 EC-no: 248-258-5 REACH-no: 01-2119529241-49-0000  
 CONTENT: 1-3%  
 DSD CLASSIFICATION: N;R51/53  
 CLP CLASSIFICATION: Aquatic Chronic 2  
 H411

NAME: 1,2-benzisothiazol-3(2H)-one  
 IDENTIFICATION NOS.: CAS-no: 2634-33-5 EC-no: 220-120-9 Index-no: 613-088-00-6  
 CONTENT: <0.05%  
 DSD CLASSIFICATION: Xn;R22 Xi;R38 R41 R43 N;R50  
 CLP CLASSIFICATION: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1  
 H302, H315, H317, H318, H400

NAME: Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)  
 IDENTIFICATION NOS.: CAS-no: 55965-84-9 Index-no: 613-167-00-5  
 CONTENT: <0.0015%  
 DSD CLASSIFICATION: C;R34 Xi;R43 R36/38 T;R23/24/25 N;R50/53  
 CLP CLASSIFICATION: Acute Tox. 3, Skin. Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1  
 H301, H311, H314, H317, H331, H400, H410 (M-acute = 10)

(\*) See full text of H/R-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

**Other informations**

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a physician, if there is doubt about the injured person's condition, or the symptoms continuous. Never give the unconscious person water or alike.

**Inhalation**

Lead the person into fresh air and keep the person under watch.

**Skin contact**

Remove contaminated clothing and shoes at once. If there has been contact to some skin, wash is thoroughly with water and soap. Skin cleansing remedies can be used. DO NOT use solvents or a thinner.

**Eye contact**

Remove contact lenses. Flush eyes immediately with plenty of water (20-30 °C), until irritation cease and for at least 15 min.

**Ingestion**

Give the person plenty to drink and keep the person under watch. If fainting: Contact a physician immediately and bring along this security datasheet or the label from the product. Do not induce vomiting, unless recommended by the physician. Lower the person's head, so that vomit does not run back into the

mouth or throat.

#### **Burns**

Rinse with water until the pain stops and continue for 30 minutes.

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

This product contains substances that may cause an allergic reaction, to persons who are disposed to sensibility.

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

Non specific.

#### **Information to medics**

Bring this safety data sheet.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Recommendation: alcohol resistant foam, carbonic acid, powder, fog. Usage of a water beam is forbidden, since it can spread the fire.

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

Non specific.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact.

### **SECTION 6: Accidental release measures**

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

No specific demands.

#### **6.2. Environmental precautions**

No specific demands.

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. If possible, clean with cleaning supplies. Solvents should be avoided.

#### **6.4. Reference to other sections**

See section 13 regarding handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

See section on 'Exposure controls/personal protection' for information on personal protection.

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

Always store in the same container as the original material.

#### **Storage temperature**

Frost free

#### **7.3. Specific end use(s)**

This product should only be used for applications described in Section 1.2

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

##### **OEL**

No data available

##### **DNEL / PNEC**

No data available.

#### **8.2. Exposure controls**

In case the product is used in a standard fashion, no control is necessary.

##### **General recommendations**

Smoking, consumption of food and liquids as well as storage of tobacco, foods and liquids, is not allowed in the room.

According to EC-Regulation 1907/2006 (REACH)

### Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

### Exposure limits

No limits on explosion exits, for the content of the substances in this product.

### Appropriate technical measures

### Hygiene measures

Wash hands before breaks and at the end of work.

### Measures to avoid environmental exposure

No specific demands.

### Individual protection measures, such as personal protective equipment



### Generally

Only CE-marked personal protection equipment should be used. Use only CE marked protective equipment.

### Respiratory Equipment

No specific demands.

### Skin protection

No specific demands.

### Hand protection

Recommended: Nitrile rubber. . : NA

### Eye protection

No specific demands.

## SECTION 9: Physical and chemical properties

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

Form	Colour	Odour	pH	Viscosity	Density (g/cm <sup>3</sup> )
Liquid	White	-	4-6	7800 mPa.s	1,1

### Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	100	-

### Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

### Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

### 9.2. Other information

Solubility in fat	Additional information
-	N/A

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7.

### 10.3. Possibility of hazardous reactions

Non specific.

### 10.4. Conditions to avoid

Overpressure develops, when exposed to heating (e.g.. sunlight).

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

#### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

Substance	Species	Test	Route of exposure	Result
Reaction mass of: 5-chloro-2-m...	Rabbit	LD50	Dermal	141 mg/kg
Reaction mass of: 5-chloro-2-m...	Rat	LC50	Inhalation	0,33 mg/l, 4 h aerosol
Reaction mass of: 5-chloro-2-m...	Rat	LD50	Oral	49,6-75 mg/kg

##### Skin corrosion/irritation

No data available.

##### Serious eye damage/irritation

No data available.

##### Respiratory or skin sensitisation

No data available. Data on substance: Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Test: OECD Guideline 406

Organism: Guinea pig

Result: Sensitising

##### Germ cell mutagenicity

No data available.

##### Carcinogenicity

No data available.

##### Reproductive toxicity

No data available.

##### STOT-single exposure

No data available.

##### STOT-repeated exposure

No data available.

##### Aspiration hazard

No data available.

##### Long term effects

This product contains substances that may cause an allergic reaction, to persons who are disposed to sensibility.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Substance	Species	Test	Test duration	Result
Reaction mass of: 5-chloro-2-m...	Algae	EC50	72 h	0,027 mg/l

#### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Reaction mass of: 5-chloro-2-m...	Yes	No data available	No data available
oxydipropyl dibenzoate	Yes	Modified OECD Screening Test	87

#### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
Reaction mass of: 5-chloro-2-m...	No	No data available	No data available

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

No data available

#### 12.6. Other adverse effects

This product contains ecotoxic substances, which can have damaging effects on water-organisms. This product contains substances, which can give unwanted long term effects in a water environment, due to its poor decomposition.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

This product is not included in the regulation of dangerous waste.

#### Waste

EWC code

08 04 10

#### Specific labelling

-

#### Contaminated packing

Contaminated packaging should be disposed of the same way as the product itself.

## SECTION 14: Transport information

Non dangerous goods, referring to ADR and IMDG.

### 14.1 – 14.4

#### ADR/RID

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

Notes

Tunnel restriction code

#### IMDG

UN-no.

Proper Shipping Name

Class

PG\*

EmS

MP\*\*

Hazardous constituent

#### IATA/ICAO

UN-no.

Proper Shipping Name

Class

PG\*

### 14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(\*) Packing group

(\*\*) Marine pollutant

## SECTION 15: Regulatory information

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

#### Restrictions for application

-

#### Demands for specific education

-

#### Additional information

-

#### Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H/R-phrases as mentioned in section 3

R22 - Harmful if swallowed.

R34 - Causes burns.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitisation by skin contact.

R50 - Very toxic to aquatic organisms.

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

R36/38 - Irritating to eyes and skin.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H301 - Toxic if swallowed.

H302 - Harmful if swallowed.

H311 - Toxic 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.

H331 - Toxic if inhaled.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

H411 - Toxic to aquatic life with long lasting effects.

#### The full text of identified uses as mentioned in section 1

-

#### Other symbols mentioned in section 2

-

#### Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

#### The safety data sheet is validated by

Robert Pedersen

#### Date of last essential change (First cipher in SDS version)

-

#### Date of last minor change (Last cipher in SDS version)

-