

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**  
DANAFIX 456

**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, woodworking industry

**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**

24-02-2015

**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

Skin Sens. 1B // H317

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

**DPD/DSD Classification**

Irritant (Xi).

May cause sensitisation by skin contact (R43).

### 2.2. Label elements

**Hazard pictogram(s)**



According to EC-Regulation 1907/2006 (REACH)

### **Signal word**

Warning!

### **Hazard statement(s)**

May cause an allergic skin reaction. (H317)

	<b>General</b>	If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)
<b>Safety statement(s)</b>	<b>Prevention</b>	Avoid breathing dust/fume/gas/mist/vapours/spray. (P261) Wear protective gloves/protective clothing/eye protection/face protection. (P280)
	<b>Response</b>	IF ON SKIN: Wash with plenty of soap and water. (P302+P352)
	<b>Storage</b>	-
	<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant. (P501)

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

formaldehyde

### **2.3. Other hazards**

This product contains substances which is considered or proven to be cancerous.

This product contains an organic solvent. Damages on the nerves system and inner organs as the lever and kidney can occur, when repeatedly exposure to organic solvents.

### **Additional labelling**

### **Additional warnings**

### **VOC**

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

### **3.1/3.2. Substances**

NAME:	ethane-1,2-diol
IDENTIFICATION NOS.:	CAS-no: 107-21-1 EC-no: 203-473-3 Index-no: 603-027-00-1
CONTENT:	1-3%
DSD CLASSIFICATION:	Xn; R22
CLP CLASSIFICATION:	Acute tox. 4 H302 S
NOTE:	
NAME:	formaldehyde
IDENTIFICATION NOS.:	CAS-no: 50-00-0 EC-no: 200-001-8 Index-no: 605-001-00-5
CONTENT:	<1%
DSD CLASSIFICATION:	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43
CLP CLASSIFICATION:	Acute tox. 3, Skin Corr. 1B, Skin Sens. 1, Carc. 2 H301, H311, H314, H317, H331, H351
NAME:	methanol
IDENTIFICATION NOS.:	CAS-no: 67-56-1 EC-no: 200-659-6 Index-no: 603-001-00-X
CONTENT:	<1%
DSD CLASSIFICATION:	F; R11 T; R23/24/25-39/23/24/25
CLP CLASSIFICATION:	Flam. Liq. 2, Acute tox. 3, STOT SE 1 H225, H301, H311, H331, H370
NOTE:	S

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

S = Organic solvent

### **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.

According to EC-Regulation 1907/2006 (REACH)

#### **Inhalation**

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

#### **Skin contact**

Remove contaminated clothing and shoes. If there has been contact to some skin, wash it thoroughly with water and soap. Skin cleansing remedies can be used. DO NOT use organic 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**

Carcinogenic effects: This product contains substances which are considered or proven to be carcinogenic. The danger may lie in inhalation, skin contact or ingestion.

This product contains organic solvent, which can have an effect on the nerves system. Symptoms can be: Loss of appetite, headache, dizziness, whistle to the ears, tingeling sensation in the skin, sensitiveness to cold, cramps, difficulties concentrating, fatigues etc. The result of repeatedly exposure to organic solvents can be an erosion of the skins natural layer of fat. Afterwards the skin will be exposed to uptake of damaging substances such as allergens.

Sensibilisating effects: This product contains substances which can cause allergies when contact to skin. The reaction of the allergy will typically set in within 12-72 hours after penetration through the skin, and will react with the proteins in the outer layer. The bodies immune system will perceive the strange chemical protein as a foreign body and will try to break it down.

### **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**

According to EC-Regulation 1907/2006 (REACH)

Smoking, consumption of food and liquids as well as storage of tobacco, foods and liquids is not allowed in the room. 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. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### 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

methanol (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 200 ppm | 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 250 ppm | 333 mg/m<sup>3</sup>

Comments: Sk (Sk = Can be absorbed through skin. )

#### DNEL / PNEC

No data available.

### 8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

#### General recommendations

Observe general occupational hygiene.

#### Exposure scenarios

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

#### Exposure limits

Trade users should encompass the rules of the work environment legislation on maximum concentrations of exposure. See work hygienic threshold limiting values below.

#### Appropriate technical measures

Airborne gas and dust concentrations must be kept lowest possible and under the existing threshold limiting values (see below). In case the air streams in the work room is not sufficient, use for example an exhaust. Make sure there are visible signs for eye cleanser and shower.

#### 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

Specific work clothing should be used.

#### Hand protection

Recommended: Nitrile rubber. . : NA

#### Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

## SECTION 9: Physical and chemical properties

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

According to EC-Regulation 1907/2006 (REACH)

Form	Colour	Odour	pH	Viscosity	Density (g/cm3)
Liquid	Muddy	Faint	9-10	2000-3000 mPa*s	1,3
<b>Phase changes</b>					
Melting point (°C)			Boiling point (°C)		
100			100		
<b>Data on fire and explosion hazards</b>					
Flashpoint (°C)			Ignition (°C)		
100			-		
Explosion limits (Vol %)			Oxidizing properties		
<b>Solubility</b>					
Solubility in water			n-octanol/water coefficient		
Soluble			-		
<b>9.2. Other information</b>					
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
No data available.				

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

No data available.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### 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

Carcinogenic effects: This product contains substances which are considered or proven to be carcinogenic.  
The danger may lie in inhalation, skin contact or ingestion.

According to EC-Regulation 1907/2006 (REACH)

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Sensibilisating effects: This product contains substances which can cause allergies when contact to skin. The reaction of the allergy will typically set in within 12-72 hours after penetration through the skin, and will react with the proteins in the outer layer. The bodies immune system will perceive the strange chemical protein as a foreign body and will try to break it down.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Species	Test	Test duration	Result
No data available.				

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
methanol	Yes	No data available	No data available

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
methanol	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

Non specific.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The product should be treated as 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

According to EC-Regulation 1907/2006 (REACH)

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

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

##### 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

R11 - Highly flammable.  
R22 - Harmful if swallowed.  
R34 - Causes burns.  
R40 - Limited evidence of a carcinogenic effect.  
R43 - May cause sensitisation by skin contact.  
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.  
R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
H225 - Highly flammable liquid and vapour.  
H301 - Toxic if swallowed.  
H302 - Harmful if swallowed.  
H311 - Toxic in contact with skin.  
H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.  
H331 - Toxic if inhaled.  
H351 - Suspected of causing cancer.  
H370 - Causes damage to organs.

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

#### Other symbols mentioned in section 2

According to EC-Regulation 1907/2006 (REACH)

**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)**