



According to 2001/58/EC

# MATERIAL SAFETY DATA SHEET

Catalogue N° : 01890D10 Printing date : 20/05/2007

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1. Identification of the substance or preparation

**ACEDIN DH 2010**

1.2. Use of the substance/preparation

Fountain additive for offset printing.

1.3. Company/undertaking identification

FUJIFILM Europe NV

EUROPARK-NOORD 21-22

B-9100 SINT NIKLAAS

TEL : +32 (3)760 02 00

FAX : +32 (3)776 91 22

1.4. Emergency telephone

+32 (0)3 760 02 00

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Aqueous solution.

Components contributing to hazard:

w/w%	CAS N°	EINECS N°	Chemical Name Symb.R-phrases
3-7	111-76-2	203-905-0	2-BUTOXYETHANOL Xn R:20/21/22-36/38
0,5-1,5	112-34-5	203-961-6	2-(2-BUTOXYETHOXY)ETHANOL Xi R:36
<0,01	26172-55-4	247-500-7	5-CHLORO-2-METHYL-2H-ISOTHIAZOLIN-3-ONE T N R:23/24/25-34-43-50/53
<0,01	2682-20-4	220-239-6	2-METHYL-2H-ISOTHIAZOLIN-3-ONE T N R:23/25-34-43-50

## 3. HAZARDS IDENTIFICATION

Most important hazards :

May cause sensitization by skin contact.

## 4. FIRST AID MEASURES

Eye contact

Irrigate with flowing water immediately and continuously for 15 minutes.

Consult medical personnel.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing

Ingestion

Consult a physician or transport to emergency facility immediately

Inhalation

Remove to fresh air. Consult a physician.

Further information

Overexposure may lead to allergic skin reactions with sensitized people. In this case, seek medical advice.

## 5. FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media:

Water.

Water fog, carbon dioxide, foam, dry chemicals.

5.2. Extinguishing media to avoid:



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None under normal conditions.

### 5.3. Further information:

Keep containers cool by spraying with water.

## **6. ACCIDENTAL RELEASE MEASURES**

- Wear adequate personal protective equipment, see section 8 ( exposure control / personal protection ).
- Spills should be contained by and carried with suitable absorbent material and removed from disposal.
- Dispose of according to local and national regulations.
- Prevent from entering into soil, waterways and groundwater.

## **7. HANDLING AND STORAGE**

### 7.1. Handling

Avoid eye and skin contact. Wash hands and exposed skin before eating, drinking or smoking and after work. Use only in a well ventilated area.

Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided. Wear suitable protective clothing, gloves and eye/face protection. Do not consume or store food in the working area.

### 7.2. Storage

Keep containers tightly closed. Store in a well ventilated, cool, dry area.

Storage class : 12 (VCI storage system).

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### 8.1. Exposure limit values (INGREDIENTS INFORMATION)

#### 2-BUTOXYETHANOL

MAK ( Deutschland, TRGS 900 ) = 20 ppm - 98 mg/mi

TLV-TWA = 25 ppm - 123 mg/mi

#### 2-(2-BUTOXYETHOXY)ETHANOL

MAK ( Deutschland, TRGS 900 ) = 100 mg/mi

TLV-TWA = NAv

#### 5-CHLORO-2-METHYL-2H-ISOTHIAZOLIN-3-ONE

MAK ( Deutschland, TRGS 900 ) = 0,2 mg/mi(mixture CIT/MIT 3:1)

#### 2-METHYL-2H-ISOTHIAZOLIN-3-ONE

MAK ( Deutschland, TRGS 900 ) = 0,2 mg/mi(mixture CIT/MIT 3:1)

### 8.2. Exposure controls

Respiratory protection: no respiratory protection needed under normal conditions. Good ventilation should be sufficient.

Hand protection: use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials:

nitrile rubber (thickness  $\geq$  0,38 mm, breakthrough time  $>$  480 min)

neoprene (thickness  $\geq$  0,65 mm, breakthrough time  $>$  240 min).

butyl rubber (thickness  $\geq$  0,36 mm, breakthrough time  $>$  480 min)

For intermittent splash protection corresponding gloves with breakthrough time  $>$  60 min can be used.

Avoid gloves made of : natural rubber.

Eye protection: use chemical safety goggles. Eye wash fountain should be located in immediate work area.

Other: appropriate protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Liquid
Colour:	Bluish green
Odour:	Mild
Boiling point/range:	~ 100°C
Density (20°C) Kg/L:	1,18
pH value (25°C):	4,50
Vapour pressure (20°C):	~ 23 mbar
Solubility in water (25°C):	Completely Soluble

## **10. STABILITY AND REACTIVITY**

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## 10.1. Conditions to avoid

The product is stable under normal storage conditions.

## 10.2. Materials to avoid

None.

## 10.3. Hazardous decomposition products

None.

## **11. TOXICOLOGICAL INFORMATION**

### Acute toxicity (INGREDIENTS INFORMATION)

#### 2-BUTOXYETHANOL

LD50 (Oral Rat) = 470 mg/kg

LD50 (Dermal rabbit) = 220 mg/kg

LC50 (Inhalation rat) = 2900 mg/L/4h

#### 2-(2-BUTOXYETHOXY)ETHANOL

LD50 (Oral Rat) = 5660 mg/kg

#### 5-CHLORO-2-METHYL-2H-ISOTHIAZOLIN-3-ONE

LD50 (Oral Rat) = NAv

#### 2-METHYL-2H-ISOTHIAZOLIN-3-ONE

LD50 (Oral Rat) = 285 mg/kg

LD50 (Dermal rabbit) = > 2000 mg/kg

### Skin contact

May cause sensitization by skin contact.

## **12. ECOLOGICAL INFORMATION**

### 12.1. Ecotoxicity

#### 2-BUTOXYETHANOL

LC50 (Goldfish, 24h) = 1650 - 1700 mg/L

LC50 (Bluegill, 96h) = 1490 mg/L

LC50 (Daphnia magna straus, 24h) = 1720 mg/L

#### 2-(2-BUTOXYETHOXY)ETHANOL

LC50 (Fish, 96 hours) = NAv

#### 5-CHLORO-2-METHYL-2H-ISOTHIAZOLIN-3-ONE

LC50 (Fish, 96 hours) = NAv

#### 2-METHYL-2H-ISOTHIAZOLIN-3-ONE

LC50 (Fish, 96 hours) = NAv

LC50 (Daphnia, 48h) = 1,6 mg/l

### 12.2. Mobility

not known

### 12.3. Persistence and Degradability

not known

### 12.4. Bioaccumulative potential

not known

### 12.5. Other adverse effects

## **13. DISPOSAL CONSIDERATIONS**

Dispose of according to local and national regulations. Containers must be disposed of in accordance with local regulations.

EWC : 06 03 14 Solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13.

## **14. TRANSPORT INFORMATION**

### ADR/RID

Class:NA labels :- Pack. Group:-

Code :NA TREMc card :NA Spec. Prov.:-

Pack. Inst.:- Lim. Quant.:-

### IMDG

Class:NA Subs. Risk :NA Pack. Group:NA



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EmS fire:NA EmS Storage:NA IBC. Inst. :-  
Pack. Inst.:- Lim. Quant.:- Mar.Poll:N  
ICAO/IATA  
Class:NA Subs. Risk :NA Pack. Group:NA  
Passenger and Cargo Aircraft. Pkg Inst:NA Max Net Qty/Pkg:NA  
Cargo Aircraft Only . Pkg Inst:NA Max Net Qty/Pkg:NA  
Ltd Qty . Pkg Inst:- Max Net Qty/Pkg:-

## **15. REGULATORY INFORMATION**

EU Classification and User Label Information:

Contains : 5-CHLORO-2-METHYL-2H-ISOTHIAZOLIN-3-ONE  
2-METHYL-2H-ISOTHIAZOLIN-3-ONE

Symbol(s) : Xi

R(isk) phrase(s) :

R43 : May cause sensitization by skin contact.

S(afety) phrase(s) :

S24 : Avoid contact with skin.

S37 : Wear suitable gloves.

Other information :

WGK: 1

BAG T n° (CH): 621 434

Toxicity class (CH): 4

## **16. OTHER INFORMATION**

The use of the preparation is restricted to professional users|

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

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Date of issue: 01.04.2004 Supersedes edition of -  
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RISK PHRASES MENTIONED IN PARAGRAPH 2:

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

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

R23/25: Toxic by inhalation and if swallowed.

R34: Causes burns.

R36: Irritating to eyes.

R36/38: Irritating to eyes and skin.

R43: May cause sensitization by skin contact.

R50: Very toxic to aquatic organisms.

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