

## SAFETY DATA SHEET

### MÄRKPENNA ARTLINE 700 SV 109630103

Last changed: 07/05/2012

Internal No: 109630103

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

##### 1.1 Product identifier

Trade name / designation MÄRKPENNA ARTLINE 700 SV 109630103

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

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

###### NATIONAL MANUFACTURER/IMPORTER

Enterprise AB THURE BÜNGER  
Address BRUKSVÄGEN 4  
Postal code 342 35 ALVESTA  
Country SVERIGE  
Telephone +46 472 453 53

#### 2 Hazards identification

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

DPD Classification:

CLP Classification:

Most important HSE hazard effects:

##### 2.2 Label elements

Signal word: None

EC-Label: No

##### COMPOSITION

Etylacetat ( 0,1 - 1 ), Etanol ( 20 - 40 ), n-Propanol ( 30 ), iso-Propanol ( 40 ), 1-Metoxo-2-propanol ( 40 )

##### 2.3 Other hazards

#### 3 Composition/information on ingredients

##### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Etylacetat			141-78-6	0,1 - 1	F,R11	Flam. Liq. 2 H225
Etanol		200-578-6	64-17-5	20 - 40	F,R11	Flam. Liq. 2 H225
n-Propanol			71-23-8	30	F,R11	Flam. Liq. 2 H225
iso-Propanol			67-63-0	40	F,R11	Flam. Liq. 2 H225
1-Metoxo-2-propanol			107-98-2	40	R10	Flam. Liq. 3 H226

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

The EUH hazard statements mentioned in CLP-classification are only label elements.

#### 4 First aid measures

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### 4.1 Description of first aid measures

#### INHALATION

Fresh air and rest. Get medical attention if any discomfort continues.

#### INGESTION

DO NOT INDUCE VOMITING! Consult a doctor if symptoms should occur.

#### SKIN CONTACT

Wash skin with soap and water.

#### EYE CONTACT

Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

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

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

## 5 Fire-fighting measures

### 5.1 Extinguishing media

#### SUITABLE EXTINGUISHING MEDIA:

Fire may be extinguished using powder, foam or carbon dioxide (CO<sub>2</sub>).

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

### 5.3 Advice for fire-fighters

#### ADVICE FOR FIREFIGHTERS

Larger fires: Wear suitable respiratory protection.

## 6 Accidental release measures

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

### 6.2 Environmental precautions

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

#### METHODS AND MATERIAL

Collect. May be removed like normal waste.

### 6.4 Reference to other sections

## 7 Handling and Storage

### 7.1 Precautions for safe handling

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

#### CONDITION FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container tightly closed in a cool place. Store dry. Always keep away from sources of ignition.

### 7.3 Specific end uses

## 8 Exposure controls / Personal protection

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#### 8.1 Control parameters

##### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
Etanol	64-17-5	15 min.	1250			
Etanol	64-17-5	8 h	1000			
1-Metoxo-2-propanol	107-98-2	15 min.	150	540		
1-Metoxo-2-propanol	107-98-2	8 h	100	360		

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

#### 8.2 Exposure controls

##### EYE PROTECTION

Avoid contact with eyes.

##### SKIN PROTECTION

Avoid contact with skin.

##### RESPIRATORY PROTECTION

Use only in well-ventilated areas.

### 9 Physical and chemical Properties

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

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	No data		
Freezing point	No data		
Initial boiling point and boiling range	No data		
Flash point	< 100 °C	Bläckets flampunkt	
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temperature	No data		
Decomposition temperature	No data		
Viscosity	No data		

#### 9.2 Other safety information

Note no.	Comments

### 10 Stability and Reactivity

#### 10.1 Reactivity

#### 10.2 Chemical stability

#### 10.3 Possibility of hazardous reactions

#### 10.4 Conditions to avoid

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### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products:

## 11 Toxicological information

### 11.1 Toxicological effects

#### SKIN CORROSION/IRRITATION

Protracted or repeated contact may irritate the skin.

#### SERIOUS EYE DAMAGE/IRRITATION

Irritant.

## 12 Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

### 12.3 Bioaccumulative potential

### 12.4 Mobility in soil

### 12.5 Results of PBT and vPvB assessment

### 12.6 Other adverse effects

## 13 Disposal considerations

### 13.1 Waste treatment methods

#### GENERAL REGULATIONS

May be removed like normal waste. Large quantities should be collected for incineration in accordance with the local regulations.

#### CATEGORY OF WASTE

EWC 08 01 20

## 14 Transport information

Classified as Dangerous Goods: **No**

### Land transport (ADR/RID)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Hazard label(s)</b>	Not applicable.		
<b>Hazard ID:</b>	Not applicable.	<b>Tunnel restriction code</b>	Not applicable.

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#### Inland water ways transport (ADN)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Enviromentally hazardous in tank-vessels</b>	Not applicable.		

#### Sea transport (IMDG)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Sub Risk:</b>	Not applicable.		
<b>IMDG Code segregation group</b>	Not applicable.		
<b>Marine pollutant</b>	Not applicable.		
<b>EMS:</b>	Not applicable.		

#### Air transport (ICAO-TI / IATA-DGR)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Hazard label(s)</b>	Not applicable.		

### 15 Regulatory information

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

**15.2 Chemical Safety Assessment**

### 16 Other information

#### LIST OF RELEVANT R-PHRASES

R10	Flammable.
R11	Highly flammable.

#### LIST OF RELEVANT H-STATEMENTS

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.