

## SAFETY DATA SHEET

**MÄRKFÄRG 165910209**

Last changed: 29/05/2012

Internal No: 165910209

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

#### 1.1 Product identifier

Trade name / designation MÄRKFÄRG 165910209

#### 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 BÛNGER  
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: STOT SE 3H336, EUH066

Most important HSE hazard effects: May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

#### 2.2 Label elements

Signal word: None

EC-Label: No

##### COMPOSITION

n-butyl acetate ( 40 %)

##### H Statements

H336 May cause drowsiness or dizziness.  
EUH066 Repeated exposure may cause skin dryness or cracking.

##### P Statements

P102 Keep out of reach of children.

#### 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
n-butyl acetate		204-658-1	123-86-4	40 %	R10 - R66 - R67	Flam. Liq. 3 H226 STOT SE 3 H336 EUH066

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

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

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### 4 First aid measures

#### 4.1 Description of first aid measures

##### INHALATION

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

##### INGESTION

Do not induce vomiting. Get medical attention if any discomfort continues.

##### SKIN CONTACT

Wash skin with soap and water. Get medical attention if any discomfort continues.

##### EYE CONTACT

Rinse thoroughly with water until the irritation subsides. Hold eyelids apart. 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>).

##### EXTINGUISHING METHODS

Containers close to fire should be removed or cooled with water.

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

##### SPECIAL HAZARDS

Risk of thermal decomposition on heating. Nitrous gases (toxic if inhaled) may be formed on heating or in a fire.

#### 5.3 Advice for fire-fighters

##### ADVICE FOR FIREFIGHTERS

Use breathing apparatus.

### 6 Accidental release measures

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

##### FOR NON-EMERGENCY PERSONNEL

Eliminate all sources of ignition. Inform the emergency service in the event of major spillage.

##### FOR EMERGENCY RESPONDERS

Eliminate all sources of ignition.

#### 6.2 Environmental precautions

##### ENVIRONMENTAL PRECAUTIONS

Prevent the spillage from reaching watercourses or the sewage system and contaminating the soil and vegetation.

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

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### METHODS AND MATERIAL

Absorb in inert material (vermiculite, dry sand or earth) and collect.

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### 6.4 Reference to other sections

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### 7 Handling and Storage

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#### 7.1 Precautions for safe handling

##### PRECAUTION FOR SAFE HANDLING

Use only in well-ventilated areas. Observe normal care. Avoid sources of sparking (smoking, fire, static electricity).  
Avoid contact with the skin and eyes.

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

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

Store at temperature not greater than 25 °C. Keep away from sources of ignition.

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#### 7.3 Specific end uses

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### 8 Exposure controls / Personal protection

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#### 8.1 Control parameters

##### BIOLOGICAL THRESHOLD VALUES

Limit value

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#### 8.2 Exposure controls

##### APPROPRIATE ENGINEERING CONTROLS

Use only in well-ventilated areas.

##### EYE PROTECTION

Tight-fitting goggles if risk of splashes or direct contact.

##### SKIN PROTECTION

Wear suitable protective clothing.

##### HAND PROTECTION

Use appropriate hand lotion to prevent defatting and cracking of skin. Protective gloves must be used if there is a risk of direct contact or splash.

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### 9 Physical and chemical Properties

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

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**PHYSICAL STATE** Paste.

**WATER SOLUBILITY** Insoluble in water.

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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	27,5 °C		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	1,2 - 7,5 %		
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temprature	No data		
Decomposition temprature	No data		
Viscosity	No data		

### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	1,31 g/cm <sup>3</sup>		

Note no.	Comments

## 10 Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

#### CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

#### CONDITIONS TO AVOID

Avoid contact with oxidizing substances and strong acids. Avoid alkalis and/or heat.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products:

## 11 Toxicological information

### 11.1 Toxicological effects

n-butyl acetate				
Route of exposure	Exposure time	Value/unit	Species	Source
LC50 (Inhalation)		9,6 mg/l	råtta	
LD50 (Oral)		> 17600 mg/kg	kanin	
LD50 (Oral)		10768 mg/kg	råtta	

### ACUTE TOXICITY - ORAL

May cause similar symptoms as on inhalation.

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### ACUTE TOXICITY - INHALATION

May cause headache, dizziness, tiredness and nausea.

### SKIN CORROSION/IRRITATION

Skin drying with risk of formation of eczema.

### SERIOUS EYE DAMAGE/IRRITATION

Splashing into the eyes may cause serious smarting/irritation. May cause lacrimation.

### OTHER TOXICOLOGICAL INFORMATION

Slightly irritating. May cause irritation of the respiratory tract. Irritating to eyes and skin.

## 12 Ecological information

### 12.1 Toxicity

n-butyl acetate				
Test	Exposure time	Value/unit	Species	Source
EC50 (Acute Daphnia)		10 - 100 mg/l	daphnia	
IC50 (Acute algae)		675 mg/l	alger	
LC50 (Acute fish)		18 mg/l	fisk	

### ECOTOXICITY

Harmful to aquatic organisms.

### 12.2 Persistence and degradability

#### DEGRADABILITY

Easily degradable. Biological degradability = 95 % after 28 days.

### 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

For handling of larger quantities: Treat as dangerous waste.

## 14 Transport information

Classified as Dangerous Goods:    **No**

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#### 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.

#### 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>Environmentally 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.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

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### LIST OF RELEVANT H-STATEMENTS

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.