

SAFETY DATA SHEET

MÄRKFÄRG 165910100

Last changed: 29/05/2012

Internal No: 165910100

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

1.1 Product identifier

Trade name / designation MÄRKFÄRG 165910100

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 (CO₂).

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.

6.4 Reference to other sections

7 Handling and Storage

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.

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.

7.3 Specific end uses

8 Exposure controls / Personal protection

8.1 Control parameters

BIOLOGICAL THRESHOLD VALUES

Limit value

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.

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

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 ³		

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)

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

Inland water ways transport (ADN)

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

Sea transport (IMDG)

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

Air transport (ICAO-TI / IATA-DGR)

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