

SAFETY DATA SHEET

MÄRKFÄRG 165910600

Last changed: 29/05/2012

Internal No: 165910600

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

1.1 Product identifier

Trade name / designation MÄRKFÄRG 165910600

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. |