

## SAFETY DATA SHEET

**MÄRKPENNA Artline 400-XF, blå 27100254**

Last changed: 25/06/2012

Internal No: 27100254

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

#### 1.1 Product identifier

Trade name / designation MÄRKPENNA Artline 400-XF, blå 27100254  
GROUP NAME Märkpennor

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

RELEVANT IDENTIFIED USES Metal.  
Plastic.  
Glass.  
Rubber.

#### Vendor art. number

27100155

#### 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

#### 1.4 Emergency Telephone Number

| Emergency Phone | Type of assistance | Opening Hours |
|-----------------|--------------------|---------------|
|                 | 112                |               |

### 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

Nafta (petroleum), hydrogenbehandlet tung; lavtkokende hydrogenbehandlet nafta ((50-60))

##### SUPPLEMENTAL HAZARD INFORMATION (EU)

Not classified.

#### 2.3 Other hazards

### 3 Composition/information on ingredients

#### 3.2 Mixtures

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| Ingredient name                                                                | Reg.No | EC No.    | CAS No.    | Conc. (wt%) | DPD-Classification | CLP-classification                                      |
|--------------------------------------------------------------------------------|--------|-----------|------------|-------------|--------------------|---------------------------------------------------------|
| Nafta (petroleum), hydrogenbehandlet tung; lavtkokende hydrogenbehandlet nafta |        | 265-150-3 | 64742-48-9 | (50-60)     | Xn,45-65           | Flam. Liq. 1 H224<br>Acute Tox. 4 H302<br>Carc. 1B H350 |

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

##### 4.1 Description of first aid measures

###### INHALATION

Fresh air and rest.

###### INGESTION

DO NOT INDUCE VOMITING!

Get medical advice if discomfort develops.

###### SKIN CONTACT

Wash off with soap and water.

###### EYE CONTACT

Rinse immediately with plenty of water. Get medical advice if 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:

CO<sub>2</sub>, foam, dry chemical.

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

##### 5.3 Advice for fire-fighters

###### ADVICE FOR FIREFIGHTERS

Large fires: Respiratory protection may be necessary.

#### 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

Can be treated as ordinary waste.

##### 6.4 Reference to other sections

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### 7 Handling and Storage

#### 7.1 Precautions for safe handling

##### PRECAUTION FOR SAFE HANDLING

Always keep away from sources of ignition.

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

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

Keep container tightly closed and dry.

Keep in a cool place.

Keep away from ignition sources.

#### 7.3 Specific end uses

### 8 Exposure controls / Personal protection

#### 8.1 Control parameters

#### 8.2 Exposure controls

##### APPROPRIATE ENGINEERING CONTROLS

Provide good ventilation.

##### EYE PROTECTION

Avoid contact with eyes.

### 9 Physical and chemical Properties

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

**PHYSICAL STATE** Not translated to English

**ODOUR** Not translated to English

| 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                             | 5 °C       |                  |             |
| 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 temprature                | No data    |                  |             |
| Decomposition temprature                | No data    |                  |             |
| Viscosity                               | No data    |                  |             |

#### 9.2 Other safety information

| Parameter | Value/unit                | Method/reference | Observation |
|-----------|---------------------------|------------------|-------------|
| Density   | 0,9 - 1 g/cm <sup>3</sup> |                  |             |

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| 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

#### 10.5 Incompatible materials

#### 10.6 Hazardous decomposition products:

### 11 Toxicological information

#### 11.1 Toxicological effects

##### ACUTE TOXICITY - ORAL

Ingestion may cause:

##### ACUTE TOXICITY - DERMAL

Irritant

##### ACUTE TOXICITY - INHALATION

Prolonged or repeated exposure may cause: Vapours may cause drowsiness and dizziness.

##### SERIOUS EYE DAMAGE/IRRITATION

May cause irritation/smartering.

### 12 Ecological information

#### 12.1 Toxicity

Nafta (petroleum), hydrogenbehandlet tung; lavtkokende hydrogenbehandlet nafta

| Test                 | Exposure time | Value/unit | Species | Source |
|----------------------|---------------|------------|---------|--------|
| EC50 (Acute Daphnia) | 48h           | 2,6 mg/l   | daphnia |        |
| LC50 (Acute fish)    | 96h           | 220 mg/l   | fisk    |        |

#### 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

##### OTHER INFORMATION

Dangerous for the environment

### 13 Disposal considerations

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### 13.1 Waste treatment methods

#### GENERAL REGULATIONS

Can be treated as ordinary waste. EWC 080112 Larger spill: Treat as dangerous waste.

### 14 Transport information

Classified as Dangerous Goods: **No**

#### 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                 | Not applicable. |                            |                 |
| 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**

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### 15.2 Chemical Safety Assessment

#### OTHER INFORMATION

Not classified.

### 16 Other information

#### VENDOR NOTES

Information in this safety data sheet is based on our present knowledge, and is intended to be a description of the health and safety aspects of the product.

#### LIST OF RELEVANT R-PHRASES

|     |                                              |
|-----|----------------------------------------------|
| R12 | Extremely flammable.                         |
| R45 | May cause cancer.                            |
| R65 | Harmful: may cause lung damage if swallowed. |

#### LIST OF RELEVANT H-STATEMENTS

|      |                                        |
|------|----------------------------------------|
| H224 | Extremely flammable liquid and vapour. |
| H302 | Harmful if swallowed.                  |
| H350 | May cause cancer.                      |