

SAFETY DATA SHEET

MÄRKPENNA, Artline 400-XF, vit 27100205

Last changed: 25/06/2012

Internal No: 27100205

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

1.1 Product identifier

Trade name / designation MÄRKPENNA, Artline 400-XF, vit 27100205
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

27100205

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

Bindemedel ((20-30)), Titanvitt ((30-40)), Metylcyklohexan (30 - 50), Alifatiskt lösningsmedel (1 - 10)

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
Bindemedel			69430-35-9	(20-30)		
Titanvitt		236-675-5	13463-67-7	(30-40)		
Metylcyklohexan		203-624-3	108-87-2	30 - 50	Xn,F,N,R11 - R38 - R51/53 - R65 - R67	Flam. Liq. 2 H225 Acute Tox. 4 H302 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 2 H411
Alifatiskt lösningsmedel		265-150-3	64742-48-9	1 - 10	Xn,F+,N,R12 - R38 - R51/53 - R65 - R67	Flam. Liq. 1 H224 Flam. Liq. 2 H225 Acute Tox. 4 H302 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 2 H411

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

Flush well with running 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:

CO₂, foam, dry chemical.

5.2 Special hazards arising from the substance or mixture

SPECIAL HAZARDS

Highly flammable.

5.3 Advice for fire-fighters

ADVICE FOR FIREFIGHTERS

Large fires: Respiratory protection may be necessary.

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

ENVIRONMENTAL PRECAUTIONS

Prevent discharge to drains.

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

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 UNCOMPATIBILITIES

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

COLOUR Not translated to English

ODOUR Not translated to English

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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	13 °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
Bläckets täthet	0,9-1,3 g/cm ³		

Note no.	Comments

10 Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

CHEMICAL STABILITY

Unstable if heated.

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

Metylcyklohexan				
Route of exposure	Exposure time	Value/unit	Species	Source
LC50 (Inhalation)	10h	41500 ppm	mus	
LD50 (Oral)		2250 mg/kg	mus	

ACUTE TOXICITY - ORAL

Ingestion of large quantity may cause:

ACUTE TOXICITY - DERMAL

The product is irritating and causes defatting/drying.

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ACUTE TOXICITY - INHALATION

Normal use of the product is expected to be of low health hazard. Prolonged or repeated exposure to this chemical may cause: May cause irritation to the respiratory tract. Headache.

SERIOUS EYE DAMAGE/IRRITATION

Smarting.

12 Ecological information

12.1 Toxicity

Metylcyklohexan

Test	Exposure time	Value/unit	Species	Source
EC50 (Acute Daphnia)	48h	1,47 mg/l	daphnia	
IC50 (Acute algae)	72h	6 mg/l	alg	
LC50 (Acute fish)	96h	0,24 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

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.

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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.		
Enviromentally 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

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	
R11	Highly flammable.
R12	Extremely flammable.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

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LIST OF RELEVANT H-STATEMENTS

H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.