

Trade name: Paint Marker Ink (silver)

Version: 1.0.0 / GB

Status: 22.09.2008

1.) Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Trade name

Paint Marker Ink (silver)

contained in: edding 750, edding 751, edding 780 paint marker

Use of the substance/preparation

Ink for use in drawliners

Company/undertaking identification

Address

edding Aktiengesellschaft
Bookkoppel 7
D-22926 Ahrensburg

Telephone no. +49 (0) 41 02 / 80 8-0

Information provided by / telephone

+49 (0)4102 - 808-0

Emergency telephone

+49 (0)30 192 40 (Toxic Substance Emergency Call Centre Berlin)

Advice on Safety Data Sheet

sdb_info@umco.de

2.) Hazards identification

Classification

F; R11	Highly flammable
R67	Vapours may cause drowsiness and dizziness.
R66	Repeated exposure may cause skin dryness or cracking.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard symbols

F Highly flammable

R phrases

11	Highly flammable.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

3.) Composition / information on ingredients

Chemical characterization

Mixture (preparation)

Hazardous ingredients

ALUMINIUM POWDER (STABILIZED)

EC no.	231-072-3	Index no.	013-002-00-1	CAS no.	7429-90-5
Concentration	> 10	<	20	%-b.w.	
Classification	F; R15 R10				
Hazard symbols	F	R phrases	10-15		

Trade name: Paint Marker Ink (silver)

Version: 1.0.0 / GB

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ETHYLCYCLOHEXANE

EC no.	216-835-0	Index no.	-	CAS no.	1678-91-7
Concentration	> 20	< 40	%-b.w.		
Classification	F; R11 Xn; R65				
Hazard symbols	F, Xn	R phrases	11-65		

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

EC no.	265-150-3	Index no.	649-327-00-6	CAS no.	64742-48-9
Concentration	> 10	< 30	%-b.w.		
Classification	F; R11 Xn; R65 R67 R66				
Hazard symbols	F, Xn	R phrases	11-65-66-67		

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

EC no.	265-199-0	Index no.	649-356-00-4	CAS no.	64742-95-6
Concentration	> 5	< 10	%-b.w.		
Classification	R10 Xn; R65 Xi; R37 N; R51/53 R67 R66				
Hazard symbols	Xn, N	R phrases	10-37-51/53-65-66-67		

Other information (chapter 3.)

The data subject of this Material Safety Data sheet refer to the ink contained in this product (marker).

4.) First aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Rinse mouth thoroughly with water. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

5.) Fire-fighting measures

Suitable extinguishing media

Foam; extinguishing powder; Carbon dioxide

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In the event of fire, the following can be released:

- Carbon dioxide (CO₂)
- Carbon monoxide (CO)

Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Cool endangered containers with water spray jet. Suppress gases/vapours/mists with water spray jet.

6.) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Trade name: Paint Marker Ink (silver)

Version: 1.0.0 / GB

Status: 22.09.2008

Methods for cleaning up/taking up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

7.) Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

Storage

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Advice on storage assembly

None known

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

8.) Exposure controls / personal protection

Exposure limit values

ALUMINIUM POWDER (STABILIZED)

CAS no.	7429-90-5
EC no.	231-072-3

Occupational Exposure Standards (OESs) / EH40

Aluminium metal		
total inhalable dust		
TWA	10	mg/m ³

Occupational Exposure Standards (OESs) / EH40

Aluminium metal		
respirable dust		
TWA	4	mg/m ³

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

CAS no.	64742-95-6
EC no.	265-199-0

OES/EH40

TWA	1200	mg/m ³
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Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the

Trade name: Paint Marker Ink (silver)

Version: 1.0.0 / GB

Status: 22.09.2008

event of risk of skin contact with the product . Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Eye protection

Safety glasses with side protection shield (EN 166)

Skin protection

Clothing as usual in the chemical industry.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Have eye wash fountain available. Have emergency shower available.

9.) Physical and chemical properties

General information

Form	liquid
Colour	silver colours
Odour	aromatic

Important health, safety and environmental information

Changes in physical state

Type	Boiling point		
Value		116	°C

Flash point

Value	7	°C
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Ignition temperature

Value	200	- 262	°C
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Explosion limits

Upper explosion limit	8,40	% vol
Lower explosion limit	0,90	% vol

Vapour pressure

Value	10	mm Hg
Reference temperature	28	°C

Density

Value	0,87	g/cm ³
Reference temperature	20	°C

Viscosity

Type	dynamic		
Value	3000	mPa*s	

Solubility in water

Remarks	insoluble
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10.) Stability and reactivity

Conditions to avoid

Heat

Materials to avoid

None known.

Trade name: Paint Marker Ink (silver)

Version: 1.0.0 / GB

Status: 22.09.2008

Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information

Experience in practice

Inhalation of vapours may lead to headache, drowsiness and dizziness.

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.

Eye contact with the product may lead to irritation.

Other information (chapter 11.)

Product specific toxicological data are not known.

12.) Ecological information

Other adverse effects

Ecological data are not available.

Do not discharge product unmonitored into the environment.

13.) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14.) Transport information

Land transport ADR/RID

Class	3	Classification code	F1
Packaging group	II		
Hazard id. no.	33		
Label	3		
UN number	1263		
Technical name	Paint		
Special Provision 640	D		

Marine transport IMDG

Class	3
Packaging group	II
UN number	1263
Proper shipping name	Paint
EmS	F-E,S-E
MARPOL	-
Label	3

Air transport ICAO/IATA

Class	3
Packaging group	II
UN number	1263
Proper shipping name	Paint
Label	3

Trade name: Paint Marker Ink (silver)

Version: 1.0.0 / GB

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15.) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC Directive 1999/45/EC.

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Hazard symbols

F Highly flammable

R phrases

11 Highly flammable.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

S phrases

24 Avoid contact with skin.

37 Wear suitable gloves.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 2, category 7 b

16.) Other information

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Relevant R-phrases (chapter 3):

10 Flammable.

11 Highly flammable.

15 Contact with water liberates extremely flammable gases.

37 Irritating to respiratory system.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

Department issuing safety data sheet

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.