

Trade name: White Board Marker  
 Product no.: MWL5M/MWL6/MWL5S/MWL6S Black

Status: 31.08.2010  
 Version: 1.0.0 / GB

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

**Identification of the substance or preparation**

Trade name

**White Board Marker**

**Use of the substance/preparation**

Ink for stationery products

**Company/undertaking identification**

**Address**

Pentel Bürobedarf-Handelsgesellschaft mbH  
 Lademannbogen 143  
 22339 Hamburg  
 GERMANY

Telephone no. +49 (0) 40 / 53 80 91 - 0

Fax no. +49 (0) 40 / 53 85 58 - 7

**Information provided by / telephone**

+49 (0) 40 / 53 80 91 - 0

**Emergency telephone**

For medical advice (in German and English):  
 +49 (0)551 192 40 (Giftinformationszentrum Nord)

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**2.) Hazards identification**

**Classification**

F; R11 Highly flammable  
 R67 Vapours may cause drowsiness and dizziness.  
 Xi; R36 Irritating to eyes.

**Hazard symbols**

F Highly flammable  
 Xi Irritant

**R phrases**

11 Highly flammable.  
 36 Irritating to eyes.  
 67 Vapours may cause drowsiness and dizziness.

**3.) Composition / information on ingredients**

**Hazardous ingredients**

**ethanol**

EC no.	200-578-6	Index no.	603-002-00-5	CAS no.	64-17-5
Concentration	> 30	<	50	%-b.w.	
Classification	F; R11				
Hazard symbols	F	R phrases	11		

**propan-2-ol**

EC no.	200-661-7	Index no.	603-117-00-0	CAS no.	67-63-0
Concentration	> 30	<	50	%-b.w.	
Classification	F; R11 R67	Xi; R36			
Hazard symbols	F; Xi	R phrases	11-36-67		

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**CARBON BLACK**

EC no.	215-609-9	Index no.	-	CAS no.	1333-86-4
Concentration	> 1	<	5	%-b.w.	
Classification	-				
Hazard symbols		R phrases	-		

**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. Do NOT use solvents or thinners !

**After eye contact**

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

**After ingestion**

Do not induce vomiting. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

**5.) Fire-fighting measures**

**Suitable extinguishing media**

Alcohol-resistant foam; extinguishing powder; Carbon dioxide; Water spray jet

**Extinguishing media that must not be used for safety reasons**

Full water jet

**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 (CO<sub>2</sub>); 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. Ensure adequate ventilation. Keep away sources of ignition. Do not inhale vapours. Avoid contact with skin, eyes and clothing.

**Environmental precautions**

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

**Methods for cleaning up/taking up**

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

**7.) Handling and storage**

**Handling**

**Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Product

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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.

**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 and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

**8.) Exposure controls / personal protection**

**Exposure limit values**

**ethanol**

CAS no. 64-17-5  
 EC no. 200-578-6

**List of approved workplace exposure limits (WELs) / EH40**

Ethanol  
 TWA 1920 mg/m<sup>3</sup> 1000 ml/m<sup>3</sup>

**propan-2-ol**

CAS no. 67-63-0  
 EC no. 200-661-7

**List of approved workplace exposure limits (WELs) / EH40**

Propan-2-ol  
 TWA 999 mg/m<sup>3</sup> 400 ml/m<sup>3</sup>  
 STEL 1250 mg/m<sup>3</sup> 500 ml/m<sup>3</sup>

**CARBON BLACK**

CAS no. 1333-86-4  
 EC no. 215-609-9

**List of approved workplace exposure limits (WELs) / EH40**

Carbon black  
 TWA 3,5 mg/m<sup>3</sup>  
 STEL 7 mg/m<sup>3</sup>

**Exposure controls**

**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 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,

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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**

Normal chemical work clothing.

**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. Clean skin thoroughly after work; apply skin cream.

**9.) Physical and chemical properties**

**General information**

Form	liquid
Colour	black
Odour	alkohol-like

**Important health, safety and environmental information**

**Changes in physical state**

Type	Boiling point	
Value	78	°C

**Flash point**

Value	14,0	°C
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**Density**

Value	0,80		g/cm <sup>3</sup>
Reference temperature	20	° C	

**Viscosity**

Type	dynamic	
Value	6,5	mPa*s
Reference temperature	20	°C

**10.) Stability and reactivity**

**Conditions to avoid**

Protect from sun.

**Materials to avoid**

None known.

**Hazardous decomposition products**

No hazardous decomposition products known.

**11.) Toxicological information**

**Experience in practice**

Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness. Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Irritating to eyes.

**Other information (chapter 11.)**

Product specific toxicological data are not known.

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**12.) Ecological information**

**Other information**

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**

**Transport ADR/RID/ADN**

Class	3
Classification code	F1
Packing group	II
Hazard identification no.	33
UN number	1263
Technical name	PAINT
Special Provision 640	640D
Tunnel restriction code	D/E
Label	3

**Transport IMDG**

Class	3
Packing group	II
UN number	1263
Proper shipping name	PAINT
EmS	F-E+S-E
Label	3

**Transport ICAO/IATA**

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

**15.) Regulatory information**

**Labelling in accordance with EC directives**

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

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

**Hazard symbols**

F	Highly flammable
Xi	Irritant

**R phrases**

11	Highly flammable.
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.

