

## TECHNICAL DATA SHEET

### Pro Marker

Mohawk Pro Marker is an easy-to-use marker for finishing touch-up of scratches, defects, repaired defects etc. The Pro Marker has an excellent flow and the Pro Marker has good adhesion to most surfaces and resistance to polishes.

The Pro Marker has a high quality nib that lasts the lifetime of the marker and it marks equally well with the edge, bottom, or the tip.



#### PRODUCT SPECIFICATIONS

- \* Marker, semi-transparent.

#### PHYSICAL FORM

- \* Colour ..... Many colours; M276-0003, M276-0063, M276-0081, M276-0094, M276-0194, M276-0207, M276-0321, M276-0337, M276-0418, M276-0474, M276-0477, M276-0479.
- \* Length ..... 16 cm
- \* Operation temperature ..... Recommended temperature between 15°C and 40°C.

#### USE

- \* For indoor use
- \* Ready to use.
- \* Perfect for quick coverage of smaller scratches, colour shades etc. in wood.
- \* The valve tip provides complete control for the user.
- \* Good resistance to polishes.
- \* Good adhesion to most surfaces.

#### NOTICE

- \* Remember to put on cap when not in use.

#### PACKAGING

- \* 12 mixed colours in blister package or single colour packages.

#### STORAGE

- \* Store cold but frost-free.
- \* Store up to 1 year.
- \* Recommended room temperature between 5° and 40°C.

#### IMPORTANT!

The following Safety Data Sheet combines all twelve Pro Marker colours present in the Pro Marker Mix Pack and thus display values/ingredients for all twelve colours. The specific values/ingredients of each colour are listed in schemes according to the colour name. Contact [susanne@woodrepair.dk](mailto:susanne@woodrepair.dk) for further questions.

## SAFETY DATA SHEET

### Pro Marker

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

##### 1.1 Product identifier

Product name: Pro Marker

##### 1.2 Relevant information of the substance/mixture and uses advised against

Use: For touch-up of smaller scratches and colour shades etc. in wooden surfaces.

##### 1.3 Details of the supplier of the Safety Data Sheet

Supplier: Wood Repair by Boegh Consult A/S  
 Charles Lindberghs Vej 6  
 DK-9430 Vadum, Denmark  
 Tel: +45 9827 1919  
 Mail: [info@woodrepair.dk](mailto:info@woodrepair.dk)  
 Contact person: Susanne Bøgh

##### 1.4 Emergency telephone number

24H Emergency phone: +45 82121212 Bispebjerg Hospital poisonous line




#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classifications of the product/mixture according to 1272/2008

GHS classification: See scheme Section 3

Symbol(s) of product:

							
GHS02							

Signal word: Danger

Possible hazards: 2% of the mixture consists of ingredients of unknown toxicity [only for Pro Marker M267-0194]

##### 2.2 Classification according to CLP 1272/2008

GHS hazards statements: Note! Differs from colour to colour. See scheme Section 3 for specific info on colours.

Flammable Liquid, category 2	H225	Highly flammable liquid and vapour.
------------------------------	------	-------------------------------------

##### 2.3 Other information/dangers:

##### GHS label precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P403+P235 Store in a well-ventilated place. Keep cool.

**GHS SDS precautionary statements**

- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.

**3. COMPOSITION – INFORMATION ON INGREDIENTS**
**3.1/2 Ingredients/mixture**

Chemical Name	Cas-No.	Wt. % min-max	GHS symbols	GHS Statements	In these Pro Marker colours:
ethanol	64-17-5	55 - 100	GHS02	H225	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
isopropanol	67-63-0	2.5 - 10	GHS02, GHS07	H225, H302, H319, H336	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
dipropylene glycol monomethyl ether	34590-94-8	2.5 - 10	No Information	No Information	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
Ethoxypropanol	1569-02-4	1.0 – 10	GHS02, GHS07	H226, H332, H336	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0479,
propylene glycol monoethyl ether	107-98-2	0.1 – 2.5	GHS02, GHS06	H226, H331, H336	M267-0003, M267-0081, M267-0094, M267-0207, M267-0337, M267-0479,
propylene glycol monoethyl ether	52125-53-8	1.0-2.5	GHS07	H332	M267-0194,

**Note!** To get a more precise amount of ingredients in a Pro Marker, send us a request to [susanne@woodrepair.dk](mailto:susanne@woodrepair.dk). The exact percentage (concentration) of ingredients, however, is being withheld as a trade secret.

**3.3 Other information**

The full text of all H-danger sentences is shown in section 16. Exposure limits shown in section 8.

**4. FIRST AID MEASURES**
**4.1 Description of first aid measures**

- In general: In case of doubt or if symptoms persist, always see a doctor. Never induce swallowing by an unconscious person. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Inhalation: Seek fresh air if you feel discomfort. See a doctor if you continue to feel discomfort.
- Skin contact: Take off all contaminated clothing. Wash skin with plenty of soap and water. See a doctor if you continue to feel discomfort. Wash contaminated clothing before reuse.
- Eye contact: Rinse with plenty of cold water immediately. Remove contact lenses, if present and easy to do so. See

an ophthalmologist and continue rinsing during transport.

Ingestion: Rinse mouth. Do not provoke vomiting, see a doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed

None known

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptoms. Contact the poison line immediately if large quantities have been ingested or inhaled.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Extinguish media: This is a NFPA/OSHA Class 1B or less flammable liquid. Follow NFPA30, Chapter 16 for fire protection and fire suppression. Use a dry chemical, carbon dioxide, or similar ABC fire extinguisher for incipient fires. Water may be used to cool and prevent rupture of containers that are exposed to heat from fire.

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

Specific dangers: Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire exposed containers. Use water spray to disperse vapors if a spill or leak has not ignited. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished.

### 5.3 Advice for firefighters

Protection: Fire fighters should be protected from potential explosion hazards while extinguishing the fire. Wear a self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Protection person: See section 8

### 6.2 Environmental precautions

Environment: Prevent any material from entering drains or waterways.

### 6.3 Methods and material for containment and cleaning up

Cleaning methods: Gather spillage into waste drums or plastic bags. Store in container until removal. Clean the area carefully with water.  
Never exceed any occupational exposure limits. Shut off ignition sources; including electrical equipment and flames.  
Check specific rules and regulations with the local authorities.

### 6.4 Reference to other sections

See section 8 and 13

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handling: Do not store in same room as groceries. Avoid ignition sources (smoking, flames, pilot lights, and electrical sparks). Ground and bond containers when transferring the material to prevent static

electricity sparks that could ignite vapour and use spark proof tools and explosion proof equipment. Empty containers may retain product residue or vapour. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury.

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

**Storage:** Store up to 1 year. To maintain product quality and characteristics store in closed packaging in frost free room. Store in cool well-ventilated space away from incompatible materials.

**Packaging:** Always store product in identical material to the original packaging. Keep containers closed when not in use.

### 7.3 Specific and use(s)

To be used only as specified in Technical Data Sheet plus section 1 of this SDS.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Exposure limits:

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING	In these Pro Marker colours:
Ethanol	Not determined	1000 ppm	1000 ppm	Not determined	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
Isopropanol	200 ppm	400 ppm	400 ppm	Not determined	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
Dipropylene glycol monomethyl ether	100 ppm	150 ppm	100 ppm	Not determined	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
ethoxypropanol	Not determined	Not determined	Not determined	Not determined	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0479,
propylene glycol monoethyl ether	50 ppm	100 ppm	Not determined	Not determined	M267-0003, M267-0081, M267-0094, M267-0207, M267-0337, M267-0479,
propylene glycol monoethyl ether	Not determined	Not determined	Not determined	Not determined	M267-0194,

### 8.2 Exposure controls

**Tech. measures:** Ensure effective ventilation. Process ventilation recommended.

**General:** Smoking, eating or drinking, as well as storage of tobacco, food and drinks not allowed in working area. Wash hands and other exposed areas with mild soap and water before ingestions of food and beverage or smoking, as well as at the end of work. Ensure access to eye rinsing bottle.

**Personal means:** Personal means to be chosen in accordance with current CEN standards and in cooperation with the supplier of personal means.



**Inhalation:** Only when sanding - wear sufficient dust mask (type P2) whenever dust limits are exceeded to avoid disturbances. (EN149)

**Hand:** Wear rubber gloves in case of long or repeated use. (EN374)

Type B – 30 minutes (level 2) against minimum 3 test chemicals.  
 Wash hands thoroughly after handling and before eating or drinking.

Eye:	Use protection goggles if risk of contact with melted product. EN 166
Skin:	Wash skin thoroughly with water and mild soap at breaks and at the end of the working day.
Hygiene:	Wash working clothes regularly.
Environment	Prevent any material from entering drains or waterways.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	<b>Colour</b>	<b>Smell</b>	<b>pH</b>	
Liquid	Many colours	Moderate strong alcohol	Not determined	
<b>Flash point</b>	<b>Boiling point</b>	<b>Vapour pressure, mmHg</b>	<b>Density g/cm<sup>3</sup></b>	<b>Melting point</b>
12.22°C	> 37.7 °C	Not determined	0.841 – 0.863	-
<b>Ignition</b>	<b>Auto ignition</b>	<b>Softening point</b>	<b>Solubility in water</b>	
-	Not determined	-	Not determined	

### 9.2 Other information

Above-mentioned properties (9.1) include all Pro Marker colours. Thus the range between lowest and highest values in "Density g/cm<sup>3</sup>". Please contact Susanne Bøgh on [susanne@woodrepair.dk](mailto:susanne@woodrepair.dk) for precise Flash point and Density g/cm<sup>3</sup> values in a specific Pro Marker colour.

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	There is no reactivity if used as described in Technical Data Sheet plus section 1.2 of SDS.
<b>10.2 Chemical stability</b>	The product is stable if handled as described in Section 7.
<b>10.3 Possibility of hazardous reactions</b>	None known
<b>10.4 Conditions to avoid</b>	Extreme temperatures will influence the product.
<b>10.5 Incompatible materials</b>	Acids, Bases, Oxidizing agents
<b>10.6 Hazardous decomposition prod.</b>	Not determined

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity: The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50	In these Pro Marker colours:
64-17-5	ethanol	7060 mg/kg Rat	15,800 mg/kg	124.7 mg/L Rat	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321,

					M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
67-63-0	isopropanol	1870 mg/kg Rat	4059 mg/kg Rabbit	72.6 mg/L Rat	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
34590-94-8	dipropylene glycol monomethyl ether	5230 mg/kg Rat	9500 mg/kg Rabbit	>20 mg/l	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0477, M267-0479,
1569-02-4	ethoxypropanol	4400 mg/kg Rat	8100 mg/kg Rabbit	No information	M267-0003, M267-0063, M267-0081, M267-0094, M267-0194, M267-0207, M267-0321, M267-0337, M267-0418, M267-0474, M267-0479,
107-98-2	propylene glycol monoethyl ether	5000 mg/kg Rat	13000 mg/kg Rabbit	>6 mg/L Rat	M267-0003, M267-0081, M267-0094, M267-0207, M267-0337, M267-0479,
52125-53-8	propylene glycol monoethyl ether	No information	No information	>20 mg/l	M267-0194,

Skin corrosion/-irritation	Not classified.
Serious eye damage/-irritation	Not classified.
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT repeated exposure	Not classified.
Aspiration hazard	Not classified.
Long-term effects:	Not classified.

### 11.2. Mixture

**Respiratory or skin sensitisation:** Contains at least one sensitising substance. May cause an allergic reaction.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity - substances</b>	No data available.
<b>12.2 Persistence and degradability</b>	No data available, but expected not to degrade quickly.
<b>12.3 Bioaccumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.
<b>12.5 Results of PBT and vPvB assessment</b>	No data available.
<b>12.6 Other adverse effects</b>	Prevent material from entering the environment

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Waste from this material may be a listed and/or characteristic hazardous waste. Dispose of material contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

Do not flush directly in drain. Sweep up or vacuum up spillage and dispose according to national and local rules and regulations.

**14. TRANSPORT INFORMATION**

Special transport precautions: No Information.

	ADR/RID	IMDG/IMO
<b>14.1 UN-number</b>	1263	1263
<b>14.2 UN proper shipping name</b>	Flammable liquid	Flammable liquid
<b>14.3 Transport hazard class(es)</b>	3	3
<b>14.4 Packing group</b>	II	II
<b>14.5 Environmental hazard</b>		
MP	-	-
EMS	-	-
<b>14.6 Special precautions for user</b>	-	-
<b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and the BIC Code</b>	T4	T4
<b>Other information</b>	Exemption limit 5 litres	Exemption limit 5 litres

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ministry of the environment Directive o. 1075 dated 24<sup>th</sup> November 2011 on classification, packing, labelling, sale and storage of chemical substances and products.

Labour Inspectorate (LI) Directive no. 292 dated April 26<sup>th</sup> 2001 on Work with substances and material (chemical agents) with changes.

Directive no. 559 dated July 4<sup>th</sup> 2002 on Specific obligations for producers, suppliers and importers of substances and material in accordance with the Working Environment Act.

LI-Directive no. 507 dated 17<sup>th</sup> May 2011, with changes.

LI-Guidance 1134-2011 on Exposure limits for substances and materials.

LI-Directive no. 908 dated 27<sup>th</sup> September 2005 on Measures to prevent risk of Cancer working with substances and material, with changes.

LI- Directive no. 239 dated April 6<sup>th</sup> 2005 on Youth workers, with changes.

LI-Guidance no. 1309 dated 18<sup>th</sup> December 2012 on waste disposal.

Defence Ministry Direction no. 17 dated 4<sup>th</sup> January 2010 on flammable liquids.

LI-Directive no. 301 dated May 13<sup>th</sup> 1993 on clarification of OAR Code numbers.

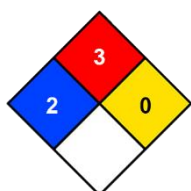
Directive no. 48 dated January 13<sup>th</sup> 2010 on Waste disposal.

EC Directive 1272/2008 (CLP), EC Directive 453/2010 (Update CLP)

EC Directive 1907/2006 (REACH)

**Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):**

NFPA 704, Labelling: Health=2, Flammability=3, Instability/Reactivity=0, Specific Risk=None.

**15.2 Chemical safety assessment**

No chemical safety assessment has been made for the product.

Volatile Organic Compounds, Gr / L: 729 - 735 (Gr / L includes / applies to all Pro Marker colours, reflecting the range between lowest and highest values).






**16. OTHER INFORMATION**

**16.1 Full wording of H-R sentences in section 3:**

- H225 Highly flammable liquid and vapour
- H226 Flammable liquid and vapour
- H302 Harmful if swallowed
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled
- H336 May cause drowsiness or dizziness.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

							
GHS02	GHS06	GHS07					

**Abbreviations:**

- ADR: European agreement concerning the international carriage of dangerous goods by Road.
- IMDG: International Maritime Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organisation.
- RID: Regulations concerning the International carriage of Dangerous goods by rail.
- WGK: Wassergefährdungsklasse (Water Hazard Class)
- PBT: Persistent, bioaccumulable and toxic
- vPvB: Very persistent, very bioaccumulable.
- SVHC: Substance of very high concern.

Recommended use: Repair of smaller scratches etc. in wood/wooden surfaces (more details on technical sheet).

Personnel to be instructed in correct use of the product. Personnel must read this Safety Data Sheet before using the product including the Technical Data Sheet.

To the best of our knowledge the information given herewith is accurate. However, no liability what so ever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards that exist.

Issued by:  
Susanne Bøgh

