

TECHNICAL DATA SHEET

3-in-1 Repair Stick

MOHAWK 3-in-1 Repair Stick is the perfect tool for quick touch-up repairs. The tool combines a marker, wax-stick and leveler, which makes it ideal to have at hand when repairing scratches, nail holes, dents etc.

The 3-in-1 Repair Stick comes in many different wood colors including black and white. Three of the colors are white which makes it a perfect tool for the window industry, skirting boards, and door frames.



PRODUCT SPECIFICATIONS

- * Ready-to-use wax and marker stick with leveler.

PHYSICAL FORM

- * Colour Many colors; M319-3001B True White, M319-3012B White, M319-3014B White Stain, M319-3003B Light Grey, M319-3007B Natural, M319-3010B Caramel, M319-3002B Golden Oak, M319-3008B Honey, M319-3004B cherry, M319-3009B Red Mahogany, M319-3005B Walnut, M319-3006B Perfect Brown, M319-3013B Brown, M319-3011B Dark Grey, M319-3000B Black.
- * Length 16 cm
- * Operation temperature Recommended temperature between 15°C and 40°C.

USE

- * For indoor use
- * Ready to use. For repair of smaller scratches, holes, nail holes, dents etc.

NOTICE

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

PACKAGING

- * Single color sticks. Wax and Marker in one stick.

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 consists of two parts; PART 1 that outlines the safety data sheet for the *wax-stick* of the 3-in-1 Repair Stick and PART 2 that outlines the safety data sheet for the *marker*. The document combines all 3-in-1 colours and thus display values/ingredients for all colours. The specific values/ingredients of each colour are listed in schemes according to the colour name. Contact us on susanne@woodrepair.dk for further questions.

SAFETY DATA SHEET

3-in-1 Repair Stick

PART 1: WAX STICK

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

1.1 Product identifier

Product name: 3-in-1 Repair Stick

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

Use: For filling and repair of dents and smaller scratches in wood etc.

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
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

This material is not classified as hazardous by the Globally Harmonized System (GHS) or by the Occupational Safety & Health Administration (OSHA) Hazard Communication criteria.

2.2 Classification according to CLP 1272/2008

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2.3 Other information/dangers:

Safety/dangers: 5% of the mixture consists of ingredients of unknown acute toxicity

Classification: -

3. COMPOSITION – INFORMATION ON INGREDIENTS

3.1/2 Ingredients/mixture

Chemical Name	Cas-No.	Wt. % min - max	GHS symbols	GHS Statements	In these 3-in-1 repair stick colours:
Polythylene Wax	8002-74-2	25 - 55	GHS07	H332	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-M3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B

Titanium dioxide	13463-67-7	<0,1 - 25	No Information	No Information	M319-3001B, M319-3003B, M319-3007B, M319-3010B, M319-3011B, M319-3012B, M319-3014B
Cetyl alcohol	36653-82-4	<2,5 - 10	No Information	No Information	M319-3001B, M319-3000B, M319-3002B, M319-3003B, M319-M3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
Stearyl alcohol	112-92-5	<2,5-10	No Information	No Information	M319-3001B, M319-3000B, M319-3002B, M319-3003B, M319-M3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
Silica	7631-86-9	<0,1-1,0	GHS06	H331	M319-3001B, M319-3003B, M319-3014B
Barium sulfate	7727-43-7	<0,1-1,0	No Information	No Information	M319-3002B, M319-3003B, M319-M3004B, M319-3005B, M319-3007B, M319-3010B, M319-3013B,
Calcium carbonate	1317-65-3	<0,1-1,0	No Information	No Information	M319-3005B, M319-3006B, M319-3013B,
Aluminum oxide	1344-28-1	<1,0-2,5	No Information	No Information	M319-3014B
Carbon black	1333-86-4	<0,1-1,0	GHS02	H251	M319-3000B, M319-3005B, M319-3013B,
Pigment green 26	68187-49-5	<0,1-2,5	No Information	No Information	
Iron oxide	1309-37-1	<1,0-25	No Information	No Information	M319-3009B,
Magnesium silicate hydrate	14807-96-6	<2,5-10	GHS07	H302-312	M319-3001B,
Crystalline silica	14808-60-7	<0,1-1,0	GHS07	H302	M3004B, M319-3005B, M319-3013B,

Note! To get a more nuanced amount of ingredients in a specific 3-in-1 Repair Stick, send us a request to susanne@woodrepair.dk. The exact percentage (concentration) of ingredients, however, is being withheld as a trade secret.

The text for GHS Hazards Statements shown above (if any) is given in section 16. "Other Information".

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.
Inhalation:	Seek fresh air if you feel discomfort. See a doctor if you continue to feel discomfort.
Skin contact:	Wash with plenty of soap and water. See a doctor if you continue to feel discomfort.
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

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguish media: All media are usable. Avoid using water jet as it may spread the fire.

5.2 Special hazards arising from the substance/mixture

Specific dangers: None known

5.3 Advice for firefighters

Protection: Use protection clothes and self-contained breathing apparatus (SCBA).

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.

Check specific rules and regulations with the local authorities.

Removal by burning. Use only approved incineration plant.

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. No particular technical means needed by normal use.

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.

Avoid ignition sources (smoking, flames, pilot lights, and electrical sparks).

Packaging: Plastic packaging.

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	AVGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING	In these 3-in-1 Repair Stick colours:
polyethylene wax	2,g/m3	Not determined	Not determined	Not determined	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
cetyl alcohol	Not determined	Not determined	Not determined	Not determined	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
stearyl alcohol	Not determined	Not determined	Not determined	Not determined	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-

					3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
carbon black	3mg/m ³	Not determined	3.5mg/m ³	Not determined	M319-3000B, M319-3005B, M319-3013B
titanium dioxide	10 mg/m ³	Not determined	15 mg/m ³	Not determined	M319-3001B, M319-3003B, M319-3007B, M319-3010B, M319-3011B, M319-3012B, M319-3014B
magnesium silicate hydrate	2 mg/m ³	Not determined	Not determined	Not determined	M319-3001B,
silica	Not determined	Not determined	Not determined	Not determined	M319-3001B, M319-3003B, M319-3014B
barium sulfate	5mg/m ³	Not determined	15 mg/m ³	Not determined	M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3007B, M319-3010B, M319-3013B
crystalline silica	0.025 mg/m ³	Not determined	50 µ/m ³	Not determined	M319-3004B, M319-3005B, M319-3013B
calcium carbonate	Not determined	Not determined	15mg/m ³	Not determined	M319-3005B, M319-3006B, M319-3013B
iron oxide	5mg/m ³	Not determined	10 mg/m ³	Not determined	M319-3009B
aluminium oxide	Not determined	Not determined	Not determined	Not determined	M319-3014B

8.2 Exposure controls

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

General: In the event that the working process is covered by the Directive for Work with OAR code numbered products (Labour Inspectorate Directive no. 302/1993) the personal measures must be chosen accordingly. See OAR code number in the Section 2 Hazard identification.
 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

Physical state	Colour	Smell	pH	
Solid	Many colours	Low	Not determined	
Flash point	Boiling point	Vapour pressure mmHg	Density g/cm³	Melting point
196°C	Not determined	Not determined	0.885 - 1.038	-
Ignition	Auto ignition	Softening point	Solubility in water	

- Not determined - Not determined

9.2 Other information

Above-mentioned properties (9.1) include all 3-in-1 Repair Stick colors. Thus the range between lowest and highest values in "Flash point" and "Density g/cm³". Please contact Susanne Bøgh on susanne@woodrepair.dk for precise Flash point and Density g/cm³ values in a specific 3-in-1 Repair Stick color.

10. STABILITY AND REACTIVITY

- 10.1 Reactivity** There is no reactivity if used as described in Technical Data Sheet plus section 1.2 of SDS.
- 10.2 Chemical stability** The product is stable if handled as described in Section 7.
- 10.3 Possibility of hazardous reactions** None known.
- 10.4 Conditions to avoid** Extreme temperatures will influence the product.
- 10.5 Incompatible materials** None known.
- 10.6 Hazardous decomposition prod.** 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 3-in-1 Repair Stick colours:
8002-74-2	polyethylene wax	>3750 mg/kg Rat	>3600 mg/kg Rabbit	>14 mg/l	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
36653-82-4	cetyl alcohol	5000 mg/kg Rat	>2000 mg/kg Rat	No information	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
112-92-5	stearyl alcohol	2510 mg/kg Rat	No information	No information	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
1333-86-4	carbon black	>5000 mg/kg Rat	>3000 mg/kg Rabbit	>20 mg/l	M319-3000B, M319-3005B, M319-3013B,
13463-67-7	titanium dioxide	>10000 mg/kg Rat	>10000 mg/kg Rabbit	>20 mg/l	M319-3001B, M319-3003B, M319-3007B, M319-3010B, M319-3011B, M319-3012B, M319-3014B,
14807-96-6	magnesium silicate hydrate	>1600 mg/kg Rat	>1600 mg/kg Rat	No information	M319-3001B,
7631-86-9	silica	7900 mg/kg Rat	>2000 mg/kg Rabbit	2.2 mg/L Rat	M319-3001B, M319-3003B, M319-3014B,
7727-43-7	barium sulfate	307000 mg/kg Rat	No information	No information	M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3007B, M319-3010B, M319-3013B,
14808-60-7	crystalline silica	500 mg/kg Rat	No information	>20 mg/l Rat	M319-3004B, M319-3005B, M319-3013B,
1344-28-1	Aluminium oxide	>5000 mg/kg Rat	No information	>20 mg/l	M319-3014B,
1309-37-1	Iron oxide	>10000 mg/kg Rat	>5000 mg/kg Rat	>20 mg/l	M319-3009B,

Skin corrosion/-irritation	No information
Serious eye damage/-irritation	No information
Respiratory or skin sensitisation	No information
Germ cell mutagenicity	No information
Carcinogenicity	No information

Reproductive toxicity	No information
STOT-single exposure	No information
STOT repeated exposure	No information
Aspiration hazard	No information
Long-term effects:	No information

11.2. Mixture

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity - substances	No data available.
12.2 Persistence and degradability	No data available, but expected not to degrade quickly.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	No data available.
12.6 Other adverse effects	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
14.1 UN-number	-	-
14.2 UN proper shipping name	-	-
14.3 Transport hazard class(es)	-	-
14.4 Packing group	-	-
14.5 Environmental hazard		
MP	-	-
EMS	-	-
14.6 Special precautions for user	-	-
14.7 Transport in bulk according to Annex II of Marpol 73/78 and the BIC Code	-	-
Other information	-	-

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 24th November 2011 on classification, packing, labelling, sale and storage of chemical substances and products.

Labour Inspectorate (LI) Directive no. 292 dated April 26th 2001 on Work with substances and material (chemical agents) with changes.
 Directive no. 559 dated July 4th 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 17th May 2011, with changes.
 LI-Guidance 1134-2011 on Exposure limits for substances and materials.
 LI-Directive no. 908 dated 27th September 2005 on Measures to prevent risk of Cancer working with substances and material, with changes.
 LI- Directive no. 239 dated April 6th 2005 on Youth workers, with changes.
 LI-Guidance no. 1309 dated 18th December 2012 on waste disposal.
 Defence Ministry Direction no. 17 dated 4th January 2010 on flammable liquids.
 LI-Directive no. 301 dated May 13th 1993 on clarification of OAR Code numbers.
 Directive no. 48 dated January 13th 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, Inflammability=0, Instability/Reactivity=0, Specific Risk=None.

15.2 Chemical safety assessment

No chemical safety assessment has been made for the product.

16. OTHER INFORMATION

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

- H251 Shelf-heating: may catch fire
- H302 Harmful if swallowed
- K312 Harmful if contact with skin
- H331 Toxic if inhaled.
- H332 Harmful if inhaled

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: Wassergefahrdungsklasse (Water Hazard Class)
- PBT: Persistent, bioaccumulable and toxic
- vPvB: Very persistent, very bioaccumulable.
- SVHC: Substance of very high concern.

Recommended use: Repair of wood (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 in this document we cannot guarantee that these are the only hazards that exist.

Issued by:

Susanne Bøgh



SAFETY DATA SHEET

3-in-1 Repair Stick

PART 2: MARKER

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

1.1 Product identifier

Product name: 3-in-1 Repair Stick



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

Use: For filling and repair of dents and smaller scratches in wood etc. Marker is used for surface preparation or protection.

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
 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	GHS05	GHS06	GHS07	GHS08			

Signal word: Danger

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.
Aspiration Hazard, category 1	H304	May be fatal if swallowed and enters airways.
Skin Irritation, category 2	H315	Causes skin irritation.
Serious Eye Damage, category 1	H318	Causes serious eye damage.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Germ Cell Mutagenicity, category 1B	H340	May cause genetic defects.
Carcinogenicity, category 1B	H350	May cause cancer.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.

2.3 Other information/dangers:

GHS label precautionary statements

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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 3-in-1 Repair Stick colours:
ethanol	64-17-5	25 - 75	GHS02	H225	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B,

					M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
titanium dioxide	13463-67-7	2.5 - 40	No Information	No Information	M319-3014B, M319-3001B, M319-3003B, M319-3011B, M319-3012B,
butanol	71-36-3	10 - 25	GHS02, GHS05, GHS07	H226, H302, H315, H318, H332, H335, H336	M319-3014B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3007B, M319-3008B, M319-3005B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B,
pm acetate	108-65-6	1.0 - 25	GHS02, GHS07	H226, H332	M319-3000B, M319-3001B, M319-3003B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3014B, M319-3011B, M319-3012B, M319-3013B,
toluene	108-88-3	10 - 40	GHS02, GHS07, GHS08	H225, H304, H315, H332, H336, H373	M319-3000B, M319-3006B,
aliphatic petroleum distillates	64742-88-7	0.1 - 2.5	GHS06, GHS08	H304, H331, H372	M319-3001B, M319-3003B, M319-3007B, M319-3008B, M319-3009B, M319-3014B, M319-3011B, M319-3012B, M319-3013B,
aliphatic petroleum distillates	64742-47-8	0.1 - 2.5	GHS06, GHS08	H304, H331	M319-3001B, M319-3003B, M319-3007B, M319-3008B, M319-3009B, M319-3014B, M319-3011B, M319-3012B, M319-3013B,
isopropanol	67-63-0	1.0 - 10	GHS02, GHS07	H225, H302, H319, H336	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3014B, M319-3013B,
carbon black	1333-86-4	0.1 - 10	GHS02	H251	M319-3000B, M319-3003B, M319-3007B, M319-3008B, M319-3011B, M319-3013B,
petroleum distillate	64742-54-7	0.1 - 1.0	GHS08	H350	M319-3000B, M319-3006B,
dipropylene glycol monomethyl ether	34590-94-8	1.0 - 2.5	No Information	No Information	M319-3002B, M319-3004B, M319-3005B, M319-3007B, M319-3008B, M319-3010B,
ethylbenzene	100-41-4	0.1 - 1.0	GHS02, GHS07, GHS08	H225, H304, H332, H373	M319-3002B, M319-3004B, M319-3005B, M319-3007B, M319-3008B, M319-3010B, M319-3013B,
chromium 2+ or 3+ compounds	117527-94-3	1.0 - 2.5	No Information	No Information	M319-3005B, M319-3006B,
iron oxide	1309-37-1	2.5 - 25	No Information	No Information	M319-3008B, M319-3011B, M319-3013B,
aliphatic hydrocarbons	8052-41-3	0.1 - 2.5	GHS08	H304, H340, H350, H372	M319-3008B, M319-3011B,
pigment	proprietary	0.1 - 10	No Information	No Information	M319-3009B, M319-3010B, M319-3011B,
crystalline silica	14808-60-7	0.1 - 1.0	GHS07	H302	M319-3009B, M319-3011B, M319-3013B,
calcium carbonate	1317-65-3	0.1 - 1.0	No Information	No Information	M319-3011B, M319-3013B,
Light gas oil	64742-80-9	0.1 - 1.0	GHS06, GHS08	H331, H350	M319-3009B

Note! To get a more precise amount of ingredients in a specific 3-in-1 Repair Stick, send us a request to susanne@woodrepair.dk. The exact percentage (concentration) of ingredients, however, is being withheld as a trade secret. The text for GHS Hazards Statements shown above (if any) is given in section 16. "Other Information".

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 vomiting 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

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: Plastic 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 3-in-1 Repair Stick colours:
Ethanol	Not determined	1000 ppm	1000 ppm	Not determined	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
Pm acetate	Not determined	Not determined	Not determined	Not determined	M319-3000B, M319-3001B, M319-3003B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
Toluene	20 ppm	Not determined	200 ppm	300 ppm	M319-3000B, M319-3006B
Carbon black	3mg/m3	Not determined	3.5mg/m3	Not determined	M319-3000B, M319-3003B, M319-3007B, M319-3008B, M319-3011B, M319-3013B
Isopropanol	200 ppm	400 ppm	400 ppm	Not determined	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
Petroleum distillate	Not determined	Not determined	Not determined	Not determined	M319-3000B, M319-3006B
Titanium dioxide	10 mg/m3	Not determined	15 mg/m3	Not determined	M319-3001B, M319-3003B, M319-3012B, M319-3014B
Butanol	20 ppm	Not determined	100 ppm	Not determined	M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3010B, M319-3012B, M319-3013B, M319-3014B
Aliphatic petroleum distillates	Not determined	Not determined	Not determined	Not determined	M319-3001B, M319-3003B, M319-3007B, M319-3008B, M319-3009B, M319-3011B, M319-3012B, M319-3013B, M319-3014B
Dipropylene glycol monomethyl ether	100 ppm	150 ppm	100 ppm	Not determined	M319-3002B, M319-3004B, M319-3005B, M319-3007B, M319-3008B, M319-3010B
Ethylbenzene	20 ppm	Not determined	100 ppm	Not determined	M319-3002B, M319-3004B, M319-3005B, M319-3007B, M319-3008B, M319-3010B, M319-3013B
Chromium 2+ or 3+ compounds	Not determined	Not determined	Not determined	Not determined	M319-3005B, M319-3006B
Iron oxide	5mg/m3	Not determined	10mg/m3	Not determined	M319-3008B, M319-3011B, M319-3013B
Aliphatic hydrocarbons	100 ppm	Not determined	500 ppm	Not determined	M319-3008B, M319-3011B
Pigment	Not determined	Not determined	Not determined	Not determined	M319-3009B, M319-3010B, M319-3011B
Crystalline silica	0.025mg/m3	Not determined	50µ/m3	Not determined	M319-3009B, M319-3011B, M319-3013B
Light gas oil	Not determined	Not determined	Not determined	Not determined	M319-3009B
Calcium carbonate	Not determined	Not determined	15 mg/m3	Not determined	M319-3011B, M319-3013B

8.2 Exposure controls

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

General: In the event that the working process is covered by the Directive for Work with OAR code numbered products (Labour Inspectorate Directive no. 302/1993) the personal measures must be chosen accordingly. See OAR code number in the Section 2 Hazard identification.
 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

Physical state Liquid	Colour Many colours	Smell Moderate strong alcohol	pH Not determined	
Flash point 3.89°C – 12.78°C	Boiling point > 37.7 °C	Vapour pressure, mmHg Not determined	Density g/cm3 0.849 - 1.177	Melting point -
Ignition -	Auto ignition Not determined	Softening point -	Solubility in water Not determined	

9.2 Other information

Above-mentioned properties (9.1) include all 3-in-1 Repair Stick colours. Thus the range between lowest and highest values in "Flash point" and "Density g/cm3". Please contact Susanne Bøgh on susanne@woodrepair.dk for precise Flash point and Density g/cm3 values in a specific 3-in-1 Repair Stick colour.

10. STABILITY AND REACTIVITY

10.1 Reactivity There is no reactivity if used as described in Technical Data Sheet plus section 1.2 of SDS.

10.2 Chemical stability The product is stable if handled as described in Section 7.

10.3 Possibility of hazardous reactions None known

10.4 Conditions to avoid Extreme temperatures will influence the product.

10.5 Incompatible materials Acids, Bases, Oxidizing agents

10.6 Hazardous decomposition prod. 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 3-in-1 colours
1333-86-4	carbon black	>5000 mg/kg Rat	>3000 mg/kg Rabbit	>20 mg/l	M319-3000B, M319-3003B, M319-3007B, M319-3008B, M319-3011B, M319-3013B,
13463-67-7	titanium dioxide	>10000 mg/kg Rat	>10000 mg/kg Rabbit	>20 mg/l	M319-3001B, M319-3003B, M319-3011B, M319-3012B, M319-3014B,
14808-60-7	crystalline silica	500 mg/kg Rat	No information	>20 mg/l Rat	M319-3009B, M319-3011B, M319-3013B,
1309-37-1	iron oxide	>10000 mg/kg Rat	>5000 mg/kg Rat	>20 mg/l	M319-3008B, M319-3011B, M319-3013B,
64-17-5	ethanol	7060 mg/kg Rat	15,800 mg/kg	124.7 mg/L Rat	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
108-88-3	toluene	2600 mg/kg Rat	12000 mg/kg Rabbit	12.5 mg/L Rat	M319-3000B, M319-3006B,
67-63-0	isopropanol	1870 mg/kg Rat	4059 mg/kg Rabbit	72.6 mg/L Rat	M319-3000B, M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3006B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
71-36-3	butanol	700 mg/kg Rat	3402 mg/kg Rabbit	8000 mg/l Rat	M319-3001B, M319-3002B, M319-3003B, M319-3004B, M319-3005B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
108-65-6	pm acetate	8532 mg/kg Rat	>5000 mg/kg Rabbit	>20 mg/L	M319-3000B, M319-3001B, M319-3003B, M319-3007B, M319-3008B, M319-3009B, M319-3010B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
64742-47-8	aliphatic petroleum distillates	>5000 mg/kg Rat	>2000 mg/kg Rabbit	>5.2 mg/L Rat	M319-3001B, M319-3003B, M319-3003B, M319-3007B, M319-3008B, M319-3009B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
64742-88-7	aliphatic petroleum distillates	>5000 mg/kg Rat	=>3000 mg/kg Rabbit	>5.28 mg/L Rat	M319-3001B, M319-3003B, M319-3003B, M319-3007B, M319-3008B, M319-3009B, M319-3011B, M319-3012B, M319-3013B, M319-3014B,
34590-94-8	dipropylene glycol monomethyl ether	5230 mg/kg Rat	9500 mg/kg Rabbit	>20 mg/l	M319-3002B, M319-3004B, M319-3005B, M319-3007B, M319-3008B, M319-3010B,
8052-41-3	aliphatic hydrocarbons	>5000 mg/kg Rat	3160 mg/kg Rat	21 mg/L Rat	M319-3008B, M319-3011B,
100-41-4	ethylbenzene	3500 mg/kg Rat	15400 mg/kg Rabbit	17.2 mg/L Rat	M319-3002B, M319-3004B, M319-3005B, M319-3007B, M319-3008B, M319-3010B, M319-3013B,
64742-80-9	Light gas oil	>5000 mg/kg Rat	>2000 mg/kg Rabbit	4.6 mg/L Rat	M319-3009B,

Skin corrosion/-irritation	No information
Serious eye damage/-irritation	No information
Respiratory or skin sensitisation	No information
Germ cell mutagenicity	No information
Carcinogenicity	May cause cancer
Reproductive toxicity	Toluene, Reproductive Harm, 0.0043%
STOT-single exposure	No information
STOT repeated exposure	No information
Aspiration hazard	No information

Long-term effects: No information

11.2. Mixture

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity - substances	No data available.
12.2 Persistence and degradability	No data available, but expected not to degrade quickly.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	No data available.
12.6 Other adverse effects	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
14.1 UN-number	1263	1263
14.2 UN proper shipping name	Flammable liquid	Flammable liquid
14.3 Transport hazard class(es)	3	3
14.4 Packing group	II	II
14.5 Environmental hazard		
MP	-	-
EMS	-	-
14.6 Special precautions for user	-	-
14.7 Transport in bulk according to Annex II of Marpol 73/78 and the BIC Code	T4	T4
Other information	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 24th November 2011 on classification, packing, labelling, sale and storage of chemical substances and products.

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

Directive no. 559 dated July 4th 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 17th May 2011, with changes.
 LI-Guidance 1134-2011 on Exposure limits for substances and materials.
 LI-Directive no. 908 dated 27th September 2005 on Measures to prevent risk of Cancer working with substances and material, with changes.
 LI- Directive no. 239 dated April 6th 2005 on Youth workers, with changes.
 LI-Guidance no. 1309 dated 18th December 2012 on waste disposal.
 Defence Ministry Direction no. 17 dated 4th January 2010 on flammable liquids.
 LI-Directive no. 301 dated May 13th 1993 on clarification of OAR Code numbers.
 Directive no. 48 dated January 13th 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, Inflammability=3, Instability/Reactivity=0, Specific Risk=None.

15.2 Chemical safety assessment

No chemical safety assessment has been made for the product.

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
- H251 Shelf-heating: may catch fire
- H302 Harmful if swallowed
- H304 may be fatal if swallowed and enters airways.
- H315 Causes skin irritation
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.

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

GHS02	GHS05	GHS06	GHS07	GHS08			

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 wood (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

