

Product name: MULTIFAST GREEN
Revision Date: 2017-02-01
Document No.: M0200

Page: 1/9
Print date: 2017-02-01
SDS-ID: GB-EN/1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: MULTIFAST GREEN
Cat. No. 40100078, 40100079, 40100080
Container size: 2,5 kg, 7,5 kg, 25 kg

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: For embedding of materialographic specimens

1.3. Details of the supplier of the safety data sheet

Supplier: Struers ApS
Pederstrupvej 84
DK-2750 Ballerup
Tel:+45 44 600 800

Responsible for safety data sheet authoring: Responsible for safety data sheet authoring: DHI
Any questions to the contents of this safety data sheet should be sent to:
struers@struers.dk

1.4. Emergency telephone number

Emergency telephone: NHS Direct: 0845 46 47 (England or Wales)
NHS 24: 08454 24 24 24 (Scotland)

+45 44 600 800
(Only during office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: The product is not classified.

2.2. Label elements

The substance/mixture does not meet the criteria for classification, but the following labelling must be applied:

Contains Methenamine. May produce an allergic reaction.
Safety data sheet available on request.

2.3. Other hazards

PBT/vPvB: Not relevant.

Other: Fine particles may form explosive vapour/air mixtures. Inhalation of dust may irritate the respiratory system. May irritate eyes and skin.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains: resin.

SAFETY DATA SHEET

Product name:	MULTIFAST GREEN	Page:	2/9
Revision Date:	2017-02-01	Print date:	2017-02-01
Document No.:	M0200	SDS-ID:	GB-EN/1.0

CLP:

%:	CAS-No.:	EC No.:	REACH Reg. No:	Chemical name:	Hazard classification:	Notes:
5-10	100-97-0	202-905-8	01-2119474895-20-xxxx	Methenamine	Flam. Sol. 2;H228 Skin Sens. 1;H317	
<1	108-95-2	203-632-7	01-2119471329-32-xxxx	Phenol	Muta. 2;H341 Acute Tox. 3;H331 Acute Tox. 3;H311 Acute Tox. 3;H301 STOT RE 2;H373 Skin Corr. 1B;H314	
1-<3	1309-48-4	215-171-9	-	Magnesium oxide	-	

References: The full text for all hazard statements is displayed in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move into fresh air and keep at rest.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

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

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

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

Medical attention/treatments: Not known.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: No specific precautions.

5.2. Special hazards arising from the substance or mixture

Specific hazards: When heated and in case of fire, toxic vapours/gases may be formed.

5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SAFETY DATA SHEET

Product name:	MULTIFAST GREEN	Page:	3/9
Revision Date:	2017-02-01	Print date:	2017-02-01
Document No.:	M0200	SDS-ID:	GB-EN/1.0

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Follow precautions for safe handling described in this safety data sheet. Avoid contact with skin and eyes. Avoid inhalation of dust and vapours.

6.2. Environmental precautions

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities.

6.4. Reference to other sections

References: For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Avoid contact with skin and eyes. Avoid inhalation of dust and vapours. Observe good chemical hygiene practices.

Technical measures: Work practice should minimise contact. Use work methods which minimise dust production.

Technical precautions: Local exhaust is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container.

7.3. Specific end use(s)

Specific use(s): Not relevant.

SAFETY DATA SHEET

Product name:	MULTIFAST GREEN	Page:	4/9
Revision Date:	2017-02-01	Print date:	2017-02-01
Document No.:	M0200	SDS-ID:	GB-EN/1.0

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
-	Dusts, total inhalable dust	-	10 mg/m3	TWA	-	EH40
-	Dusts, respirable dust	-	4 mg/m3	TWA	-	EH40
108-95-2	Phenol	-	2 ppm	7.8 mg/m3	TWA	Sk
		-	4 ppm	16 mg/m3	STEL	Sk; 15min
1309-48-4	Magnesium oxide, fume and respirable dust	Mg	4 mg/m3	TWA	-	EH40
1309-48-4	Magnesium oxide, inhalable dust	Mg	10 mg/m3	TWA	-	EH40

Notes: Sk: Can be absorbed through skin.

8.2. Exposure controls

<u>Engineering measures:</u>	Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation. Local exhaust is recommended.
<u>Personal protection:</u>	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<u>Respiratory equipment:</u>	In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment. Use respiratory equipment with combination filter, type A2/P2.
<u>Hand protection:</u>	Risk of contact: Wear protective gloves. Nitrile gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
<u>Eye protection:</u>	Risk of contact: Wear goggles/face shield.
<u>Skin protection:</u>	Wear apron or protective clothing in case of contact.
<u>Hygiene measures:</u>	Wash hands after handling.
<u>Environmental Exposure Controls:</u>	Not available.

SAFETY DATA SHEET

Product name:	MULTIFAST GREEN	Page:	5/9
Revision Date:	2017-02-01	Print date:	2017-02-01
Document No.:	M0200	SDS-ID:	GB-EN/1.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Form:</u>	Powder.
<u>Colour:</u>	Green.
<u>Odour:</u>	Phenolic.
<u>pH:</u>	Not available.
<u>Boiling point:</u>	Not available.
<u>Flash point:</u>	Not available.
<u>Explosive limits</u>	Not available.
<u>Relative density:</u>	Not available.
<u>Solubility:</u>	Not available.

9.2. Other information

<u>Other data:</u>	Volatile Organic Compound (VOC): < 10 g/l (calculated)
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

<u>Reactivity:</u>	None known.
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10.2. Chemical stability

<u>Stability:</u>	Stable under normal temperature conditions.
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10.3. Possibility of hazardous reactions

<u>Hazardous Reactions:</u>	None known.
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10.4. Conditions to avoid

<u>Conditions/materials to avoid:</u>	Avoid contact with acids and oxidising substances. Avoid dust close to ignition sources.
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10.5. Incompatible materials

<u>Incompatible materials:</u>	None known.
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10.6. Hazardous decomposition products

<u>Hazardous decomposition products:</u>	When heated and in case of fire, toxic vapours/gases may be formed.
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SAFETY DATA SHEET

Product name:	MULTIFAST GREEN	Page:	6/9
Revision Date:	2017-02-01	Print date:	2017-02-01
Document No.:	M0200	SDS-ID:	GB-EN/1.0

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

<u>Acute Toxicity (Oral):</u>	Based on available data, the classification criteria are not met.
<u>Acute Toxicity (Dermal):</u>	Based on available data, the classification criteria are not met.
<u>Acute Toxicity (Inhalation):</u>	Based on available data, the classification criteria are not met.
<u>Skin Corrosion/Irritation:</u>	Based on available data, the classification criteria are not met.
<u>Serious eye damage/irritation:</u>	Based on available data, the classification criteria are not met.
<u>Respiratory or skin sensitisation:</u>	Test has determined that the product is not sensitising by skin contact.
<u>Germ cell mutagenicity:</u>	Based on available data, the classification criteria are not met.
<u>Carcinogenicity:</u>	Based on available data, the classification criteria are not met.
<u>Reproductive Toxicity:</u>	Based on available data, the classification criteria are not met.
<u>STOT - Single exposure:</u>	Based on available data, the classification criteria are not met.
<u>STOT - Repeated exposure:</u>	Based on available data, the classification criteria are not met.
<u>Aspiration hazard:</u>	Based on available data, the classification criteria are not met.
<u>Inhalation:</u>	Dust may irritate throat and respiratory system and cause coughing. Vapours liberated during curing of the product may in high concentrations irritate the throat and respiratory system and cause coughing.
<u>Skin contact:</u>	Prolonged contact may cause redness and irritation. Phenol can be absorbed through the skin and cause chronic poisoning.
<u>Eye contact:</u>	Dust may cause irritation.
<u>Ingestion:</u>	No harmful effects expected in amounts likely to be ingested by accident.
<u>Specific effects:</u>	Contains a small amount of a substance/group of substances with possible risks of irreversible effects.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: The environmental hazard of the product is considered to be limited.

12.2. Persistence and degradability

Degradability: There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

12.6. Other adverse effects

Other adverse effects: None known.

SAFETY DATA SHEET

Product name:	MULTIFAST GREEN	Page:	7/9
Revision Date:	2017-02-01	Print date:	2017-02-01
Document No.:	M0200	SDS-ID:	GB-EN/1.0

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues: Dispose of waste and residues in accordance with local authority requirements.
Note that fully cured material is not considered as hazardous waste.
EWC-code: 16 05 09

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

UN-No: -

14.2. UN proper shipping name

Proper Shipping Name: -

14.3. Transport hazard class(es)

Class: -

14.4. Packing group

PG: -

14.5. Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

14.6. Special precautions for user

Special precautions: None known.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk: Not relevant.

SAFETY DATA SHEET

Product name:	MULTIFAST GREEN	Page:	8/9
Revision Date:	2017-02-01	Print date:	2017-02-01
Document No.:	M0200	SDS-ID:	GB-EN/1.0

SECTION 15: REGULATORY INFORMATION

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

National regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

The Control of Substances Hazardous to Health Regulations 2002 (S.I. 2002 No. 2677) with amendments.

EH40/2005, Workplace exposure limits 2005, with amendments.

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical Safety Assessment

CSA status: Not relevant.

SAFETY DATA SHEET

Product name:	MULTIFAST GREEN	Page:	9/9
Revision Date:	2017-02-01	Print date:	2017-02-01
Document No.:	M0200	SDS-ID:	GB-EN/1.0

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1.

The (*) indicates the changes made with respect to the previous version.

Approved by DHI.

Allan Vorup

Additional information:

Classification according to Regulation (EC) No. 1272/2008:
On basis of test data.

Wording of R-phrases/H-statements:

H228	Flammable solid.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Artens Allé 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.