

Material Safety Data Sheet

Canada
English

Section 1. Chemical product and company identification

Product name ME25/21 ST, 0.45 µm 47 mm, 100 pack**Catalogue Number** 10406870**Material uses** Industrial applications: Analytical chemistry. Research.**Product type** Solid.**Validation date** 11 June 2009**Print date** 11 June 2009**Supplier** GE Healthcare UK Ltd
Amersham Place
Little Chalfont
Buckinghamshire HP7 9NA
England
+44 0870 606 1921**In case of emergency**
US ChemTrec (US) 1-800-424-9300
Canada ChemTrec (US) 1-703-527-3887

2. Hazards identification

Physical state Solid.**Odor** Odorless.**Emergency overview**

FLAMMABLE SOLID.

Flammable solid. Keep away from heat, sparks and flame. Avoid contact with skin and clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use.

Potential acute health effects**Eyes** No known significant effects or critical hazards.
Skin No known significant effects or critical hazards.
Inhalation No known significant effects or critical hazards.
Ingestion No known significant effects or critical hazards.**Potential chronic health effects****Chronic effects** No known significant effects or critical hazards.
Carcinogenicity No known significant effects or critical hazards.
Mutagenicity No known significant effects or critical hazards.
Teratogenicity No known significant effects or critical hazards.
Developmental effects No known significant effects or critical hazards.
Fertility effects No known significant effects or critical hazards.
Target organs Not available.**Over-exposure signs/symptoms****Inhalation** No specific data.
Ingestion No specific data.
Skin No specific data.
Eyes No specific data.**Medical conditions aggravated by over-exposure** None known.

See toxicological information (section 11)



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3. Composition/information on ingredients

Name	CAS number	% by weight
Nitrocellulose; with <12.6% N	100	

Section 4. First aid measures

Eye contact	In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation occurs.
Skin contact	Wash with soap and water. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
Ingestion	Do not ingest. Get medical attention if symptoms appear.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Notes to physician	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5. Fire fighting measures

Flammability of the product	Flammable solid. Runoff to sewer may create fire or explosion hazard.
Extinguishing media	
Suitable	Use dry chemical, CO ₂ , water spray (fog) or foam.
Not suitable	Do not use water jet.
Special exposure hazards	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Hazardous combustion products	No specific data.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions	Eliminate all ignition sources. Use personal protective equipment as required.
Environmental precautions	No special recommendations.
Methods for cleaning up	Place spilled material in an appropriate container for disposal.
Small spill	Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

Handling	Keep away from sources of ignition.
Storage	Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures	Product does not contain relevant quantities of materials with exposure values that have to be monitored.
Engineering measures	No special ventilation requirements.
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory	A respirator is not needed under normal and intended conditions of product use.
Hands	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eyes	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



Section 9. Physical and chemical properties

Physical state	Solid.
Auto-ignition temperature	>160°C (>320°F)
Odor	Odorless.
Vapor pressure	0 kPa (0 mm Hg)
Volatility	0% (w/w)
VOC	0 (g/l).
Viscosity	Dynamic: Not applicable. Kinematic: Not applicable.
Solubility	Insoluble in the following materials: cold water.

Section 10. Stability and reactivity

Stability	The product is stable.
Conditions to avoid	Avoid all possible sources of ignition (spark or flame).
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	Under normal conditions of storage and use, hazardous polymerization will not occur. Not considered to be a product presenting a risk of explosion.

Section 11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				
Conclusion/Summary	Not toxic.			

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Not available.						

Synergistic products	Not available.
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Section 12. Ecological information

Environmental effects	No known significant effects or critical hazards.
Octanol/water partition coefficient	Not available.
Bioconcentration factor	Not available.
Other adverse effects	No known significant effects or critical hazards.

Section 13. Disposal considerations

Waste disposal	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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RCRA classification	Not available.
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Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

International transport regulations

Not classified.

Remarks

This product fulfills SP122 in IATA-DGR and is therefore not considered Dangerous Goods.



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Section 15. Regulatory information

WHMIS (Canada)

Canadian lists

Class B-4: Flammable solid.

CEPA Toxic substances: None of the components are listed.

Canadian ARET: None of the components are listed.

Canadian NPRI: None of the components are listed.

Alberta Designated Substances: None of the components are listed.

Ontario Designated Substances: None of the components are listed.

Quebec Designated Substances: None of the components are listed.

Not determined.

Canada inventory

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

EU regulations

Hazard symbol or symbols



Risk phrases

R11- Highly flammable.

Safety phrases

S16- Keep away from sources of ignition - No smoking.

S33- Take precautionary measures against static discharges.

S37/39- Wear suitable gloves and eye/face protection.

International regulations

International lists

Australia inventory (AICS): Not determined.

China inventory (IECSC): Not determined.

Japan inventory (ENCS): Not determined.

Japan inventory (ISHL): Not determined.

Korea inventory (KECI): Not determined.

New Zealand Inventory of Chemicals (NZIoC): Not determined.

Philippines inventory (PICCS): Not determined.

Section 16. Other information



The customer is responsible for determining the PPE code for this material.

Indicates information that has changed from previously issued version.

History

Date of printing	11 June 2009	Date of previous issue	01 February 2009
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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever 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 hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



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