

Material Safety Data Sheet

United States
English

Section 1. Chemical product and company identification

Product name Protran BA 85, 25 mm, 100 pack

Catalogue Number 10402506



Material uses Industrial applications: Analytical chemistry. Research.
Product type Solid.
Validation date 29 July 2009
Print date 05 August 2009
Supplier GE Healthcare UK Ltd
 Amersham Place
 Little Chalfont
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 England
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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.
OSHA/HCS status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
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.

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)



3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
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.
<u>Extinguishing media</u>	
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	Pick up solids and put in an appropriate sealable container for later disposal.
Small spill	Pick up solids and put in an appropriate sealable container for later 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)
Color	White.
Odor	Odorless.
Vapor pressure	0 kPa (0 mm Hg)
Volatility	0% (w/w)
VOC	0 (g/l).
Solubility	Not available.

Section 10. Stability and reactivity

Stability	The product is stable.
Conditions to avoid	Avoid all possible sources of ignition (spark or flame).
Materials to avoid	Reactive or incompatible with the following materials: oxidizing materials
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

Section 12. Ecological information

Environmental effects	No known significant effects or critical hazards.
<u>Aquatic ecotoxicity</u>	
Conclusion/Summary	No known significant effects or critical hazards.
<u>Biodegradability</u>	
Conclusion/Summary	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.

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

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	UN3270	MEMBRANE FILTER OF NITROCELLULOSE	4.1	II		-
TDG Classification	UN3270	MEMBRANE FILTER OF NITROCELLULOSE	4.1	II		-
Mexico Classification	UN3270	MEMBRANE FILTER OF NITROCELLULOSE	4.1	II		-



ADR/RID Class	UN3270	MEMBRANE FILTER OF NITROCELLULOSE	4.1	II		-
IMDG Class	UN3270	MEMBRANE FILTER OF NITROCELLULOSE	4.1	II		-
IATA Class	UN3270	Nitrocellulose membrane filters	4.1	II		-

Section 15. Regulatory information

HCS Classification Flammable solid

U.S. Federal regulations **United States inventory (TSCA 8b):** Not determined.

- SARA 302/304/311/312 extremely hazardous substances:** No products were found.
- SARA 302/304 emergency planning and notification:** No products were found.
- SARA 302/304/311/312 hazardous chemicals:** No products were found.
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** No products were found.
- Clean Water Act (CWA) 307:** No products were found.
- Clean Water Act (CWA) 311:** No products were found.
- Clean Air Act (CAA) 112 accidental release prevention:** No products were found.
- Clean Air Act (CAA) 112 regulated flammable substances:** No products were found.
- Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

State regulations

- Connecticut Carcinogen Reporting:** None of the components are listed.
- Connecticut Hazardous Material Survey:** None of the components are listed.
- Florida substances:** None of the components are listed.
- Illinois Chemical Safety Act:** None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.
- Louisiana Reporting:** None of the components are listed.
- Louisiana Spill:** None of the components are listed.
- Massachusetts Spill:** None of the components are listed.
- Massachusetts Substances:** None of the components are listed.
- Michigan Critical Material:** None of the components are listed.
- Minnesota Hazardous Substances:** None of the components are listed.
- New Jersey Hazardous Substances:** None of the components are listed.
- New Jersey Spill:** None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.
- New York Acutely Hazardous Substances:** None of the components are listed.
- New York Toxic Chemical Release Reporting:** None of the components are listed.
- Pennsylvania RTK Hazardous Substances:** None of the components are listed.
- Rhode Island Hazardous Substances:** None of the components are listed.

United States inventory (TSCA 8b) Not determined.

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



Article Number

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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.
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Section 16. Other information

Label requirements FLAMMABLE SOLID.

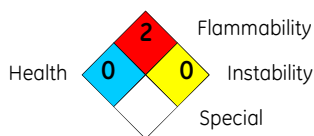
Hazardous Material Information System (U.S.A.)


Health	0
Flammability	2
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

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

National Fire Protection Association (U.S.A.)



 Indicates information that has changed from previously issued version.

History

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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.

