

250A Ballistic Gel - Material Data Safety Sheet

Product Identification

Product Name	250A - 260A Ballistic Gel (gelatine)
Applications	Technical only

Hazard Identification

Most Important Hazard	Non-hazardous
Specific Hazards	Non-hazardous

Composition

Substance	Gelatine is a natural protein derived from pigskin
Common Name	Pigskin gelatine
CAS Number	9000-70-8
EINECS Number	232-554-6
Ingredients contributing to hazards	N/A gelatine is a food

First-aid Measures

Eye Contact	Wash with lukewarm water
Skin Contact	Wash with lukewarm water
Ingestion	Drink water (gelatine is a food)

Firefighting Measures

Extinguishing Media	No restriction, product is not flammable
Specific Hazards	Thermal decomposition gives formation of CO, CO ₂ and N-compounds
Specific Methods	No special requirements
Protection for Firefighters	No special requirements

Accidental Release Measures

Personal Precautions	No special requirements
Environmental Precautions	No special requirements
Methods of Cleanup	Remove mechanically and wash with hot water. Caution, slippery

Handling and Storage

Handling - Special Measures/Precautions	No special measures or precautions
Handling - Safe Handling Advice	No special requirements
Storage - Technical Measures	No special requirements
Storage - Storage Conditions	Sealed packaging in dry and odourless conditions at room temperature
Storage - Incompatible Products	Store in aldehyde-free conditions to avoid hardening effects
Storage - Safe Packing Material	Not restricted. Should prevent moisture absorption

Exposure Controls/Personal Protection

Engineering Measures	No special requirements
Exposure Limit	None
PPE	Hand, eye, skin and respiratory not needed

Physical and Chemical Properties

Physical State	Brittle, solid powder
Colour	White to light yellow
Odour	Nearly odourless, typical for gelatine
pH Value	4-6 (6.67% @ 60C)
Viscosity	1,5-6,5 mPas (6.67% @ 60C)
Flash Point	Not flammable
Explosion Properties	N/A
Density	Appr. 0.5g/ml depending on particle size
Solubility in Water	Soluble in warm water >40C, swells in cold water

Stability and Reactivity	Stability	Stable in prescribed storage conditions
	Hazardous Reactions	Not known
	Hazardous Decomposition Products	CO, CO2

Toxicological Information

Acute Toxicity Data	Non-hazardous product
Local effects	None

Ecological Information

General	The nitrogen content in protein can have a fertilising effect
Biological Oxygen Requirement (BOD5)	Solution of 1% appr. 4300 mg/l
Ecotoxicological Effects	None. Completely biodegradable

Disposal Considerations

Waste from Residues	Disposal according to legal regulations as domestic refuse or as compost. No waste code number. No waste
Contaminated Packaging	Recommended to return to Defensible Ballistics

Transport Information

Product Designation	Non-dangerous goods
Transport Restrictions	None

Regulatory Information

The gelatine is manufactured and labelled according to Reg (EC) No. 853/2004 laying down specific hygiene rules for food of animal origin.

Danger Symbol	N/A. Non-hazardous product
Risk Phrases	N/A
Safety Phrases	N/A
National Regulations	Observe national regulations

Other Information

This information is based on our present state of knowledge and does not certify product characteristics. The consignee of our products is responsible for the observance of all relevant laws and regulations.

Information provided by and tested for Defensible Ballistics by Galita Sweden AB.

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