

Applied Biological Materials Inc.

Material Safety Datasheet (MSDS)

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Version 2.4
www.abmGood.com

Applied Biological Materials Inc.
1-3671 Viking Way,
Richmond, BC, CANADA
V6V 2J5

Section 1 – Product and Company Information

Product Name	SafeView™ Classic
Preparation	G108
Company	Applied Biological Materials Inc.
Address	#1-3671 Viking Way Richmond BC V6V 2J5 CA
Technical Phone	604-247-2416
Fax	604-247-2414
Emergency Phone	866-757-2414

Section 2 – Composition/Information on Ingredient

Chemical Name	Formula	CAS-No	EINESC-No	Weight%
Water	H ₂ O	7732-18-5	231-791-2	<1.9
SafeView	Trade secret			<0.1
Dimethyl sulfoxide	C ₂ H ₆ OS	67-68-5	200-664-3	98

Section 3 – Hazards Identification

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Emergency overview Irritant.
Irritating to eyes, respiratory system and skin.

HMIS rating Health: 1
Flammability: 2
Physical Hazard: 0

NFPA rating Health: 2
Flammability: 2
Instability: 0

Section 4 – First Aid Measures

Eye Contact	Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyes with fingers
Skin Contact	Immediately wash skin with soap and copious amounts of water.
Inhalation	Remove to fresh air. If breathing becomes difficult, call a physician.
Ingestion	Wash out mouth with water provided person is conscious. Call a physician. Do not induce vomiting.

Section 5 – Fire Fighting Measures

Special risks	Wear self-contained breathing apparatus and protective clothing if necessary. Decomposes at melting point. Toxic gasses produced: hydrogen chloride, nitrogen oxides, carbon monoxide and carbon dioxide.
Suitable Extinguishing Media	Dry chemical

Section 6 – Accidental Release Measures

Personal precautions Use personal protective equipment.
Methods for cleaning up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Ventilate after spill.

Section 7 – Handling and Storage

Handling	Keep away from open flames, hot surfaces and sources of ignition. Change contaminated clothing. Wash hands after working with substance.
Storage	Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Hygroscopic.

Section 8 – Exposure Controls/ PPE

<ul style="list-style-type: none">•As appropriate to quantity handled.•NIOSH/MSHA approved respirator if necessary.•Compatible chemical resistant gloves.•Chemical safety goggles.•Keep tightly closed.•Store in a cool dry place.

Section 9 – Physical and Chemical Properties

Form	Liquid
Colour	Orange-red to Brown
Odour	Odourless
Melting Point	18.4°C
Boiling Temperature (°C)	No data available
Density	No data available
Vapour Pressure	No data available
Solubility in Water	Soluble
Flash Point	No data available
Explosion Limits	No data available
Ignition Temperature	No data available

Section 10 – Stability and Reactivity

•Stability	Stable
•Materials to avoid	N/A
•Hazardous decomposition products	N/A
•Polymerization	Does not occur

Section 11 – Toxicological Information

Route of exposure / Potential health effects

- Skin Contact: May cause irritation.
- Skin Absorption: May be harmful if absorbed through the skin.
- Eye contact: May cause eye irritation.
- Inhalation: May cause irritation to upper respiratory tract and mucous membranes. May be harmful if inhaled.
- Ingestion: May be harmful if swallowed.

Mutagenic effects

Mutation Data: Cell transformation, Syrian hamster embryo (SHE) cells, negative; Forward gene mutation at the thymidine kinase (TK) locus, mouse lymphoma (L5178Y) cells, negative with and without metabolic activation; Chromosomal aberrations, human peripheral blood lymphocytes, negative with and without metabolic activation; Histidine reverse gene mutation, Ames assay, Salmonella typhimurium (TA97a, TA98, TA102, TA1538), positive with metabolic activation; Histidine reverse gene mutation, Ames assay, Salmonella typhimurium (TA97a, TA98, TA102, TA1538), negative without metabolic activation; Histidine reverse gene mutation, Ames assay, Salmonella typhimurium (TA100, TA1535, TA1537), negative

Carcinogenic effects – N/A

Reproductive toxicity – N/A

Sensitization – N/A

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/mouse)	LD50 (inhalation, rat/mouse)
Water	N/A	N/A	N/A
SafeView	>5000 mg/kg	N/A	N/A
Dimethyl sulfoxide	28300 mg/kg	40000 mg/kg	>5.33 mg/L, 4 h

Section 12 – Ecological Information

Ecotoxicity Effects	Contains no substances known to be hazardous to the environment, hazardous degradation products are not likely.
Dimethyl sulfoxide	Freshwater Algae: EC50 96h 12350-25500 mg/L Freshwater Fish: 40 g/L LC50 96 h, 33-37 g/L LC50 96 h Microtox: = 16000 mg/L EC50 Pseudomonas putida 16 h = 32 g/L EC50 Tetrahymena pyriformis 24 h = 77 mg/L EC50 Photobacterium phosphoreum 5 min Water Flea: EC50 24h 7000 mg/L

Section 13 – Disposal Considerations

Dispose of in accordance with local regulations.
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Section 14 – Transportation Information

DOT (US)	Combustible liquid, not regulated
IMDG Class	Not regulated
IATA	Not regulated

Section 15 – Regulatory Information

Indication of danger:	Not hazardous
S-PHRASES:	None
R-PHRASES:	None

Section 16 – Other Information

<p>The information contained in this Material Safety Datasheet is believed to be accurate but it is the responsibility of the user or supplier to determine the applicability of these data to the formulation of necessary safety precautions.</p> <p>Applied Biological Materials Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material Safety Datasheet.</p>
