UN GHS REVISION 7

Safety Data Sheet
Fast Blue B Salt

Version 1.0, Date of issue: 2026-07-13

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Fast Blue B Salt
Product number	FBBS-25g, C1200C-00025
Brand	Hurstchem
Other means of identification	o-Dianisidine bis(diazotized) zinc double salt, Azoic Diazo No. 48, DBB, Diazo Blue B, Naphthanil Diazo Blue B

1.3 Recommended use of the chemical and restrictions on use

Laboratory reagent

1.4 Supplier's details

Name	Hurst Scientific
Address	2 Transit Place, 6112 Forrestdale WA, Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

1.5 Emergency phone number

Australian Poisons Information Centre 13 11 26
Australian Emergency Services 000

SECTION 2: Hazard identification

General hazard statement

Classified as a Hazardous substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous goods according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

2.1 Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

- Self-reactive Substances and Mixtures, Type C
- Acute Toxicity (Oral), Cat. 4
- Carcinogenicity, Cat. 1B

2.2 GHS label elements, including precautionary statements

Pictograms

1. Flame; 2. Exclamation mark; 3. Health hazard

Signal word

Danger

Hazard statement(s)

H242	Heating may cause a fire.
H302	Harmful if swallowed.
H350	May cause cancer.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234	Keep only in original packaging.
P235	Keep cool.
P240	Ground and bond container and receiving equipment.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P330	Rinse mouth.
P370+P378	In case of fire: Use appropriate extinguishing media for the surrounding fire.
P403	Store in a well-ventilated place.
P405	Store locked up.
P411	Store at temperatures not exceeding… °C.
P420	Store separately.
P501	Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

AUH044: Risk of explosion if heated under confinement. No information available on PBT / vPvB status or endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

Component	Concentration
Fast Blue B Salt (CAS: 14263-94-6)	**100%**
CLASSIFICATIONS: Self-reactive Substances and Mixtures, Type C; Acute Toxicity (Oral), Cat. 4; Carcinogenicity, Cat. 1B. **HAZARDS:** H242 - Heating may cause a fire; H302 - Harmful if swallowed; H350 - May cause cancer.	

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

Eye contact

Flush eyes with copious amounts of water for at least 15 minutes. If irritation develops or persists, seek medical attention.

Skin contact

Remove contaminated clothing and wash affected area with soap and water thoroughly. If irritation develops, seek medical attention.

Inhalation

Evacuate to fresh air immediately. If unconscious, place in recovery position and provide artificial respiration if breathing ceases. Seek medical attention.

Ingestion

DO NOT induce vomiting. Wash mouth out with copious amounts of water and seek medical attention.

First-aid facilities

Eye wash station, safety shower and First Aid kit.

4.2 Most important symptoms and effects, both acute and delayed

The most important symptoms and effects are described in Section 2 (hazard statements) and Section 11 (toxicological information).

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically. For advice, contact the Poisons Information Centre (Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water spray, foam, carbon dioxide (CO_2) or dry powder. No limitations of extinguishing agents are given for this substance. Remove containers from the danger zone and cool with water. Suppress gases, vapours or mists with a water spray jet.

5.2 Specific hazards arising from the chemical

Combustible. Heating may cause a fire, and there is a risk of explosion if the product is heated under confinement. Hazardous combustion gases or vapours may develop in a fire, including oxides of carbon, oxides of nitrogen, hydrogen chloride gas and zinc oxides.

5.3 Special protective actions for fire-fighters

Stay in the danger area only with self-contained breathing apparatus (SCBA) operated in positive-pressure mode. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Prevent fire-extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Wear suitable protective equipment (see Section 8). Evacuate non-essential personnel from the area. Avoid generating and breathing dust.

6.2 Environmental precautions

Prevent the spill from entering drains, sewers and waterways. In the event of a major spill, contain the material and notify the relevant authorities.

6.3 Methods and materials for containment and cleaning up

Contain the spill and prevent further release. Sweep or vacuum the spilled material using clean, non-sparking tools, avoiding dust generation. Place the collected solid into a labelled, sealable container for disposal. Ventilate the area.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Prevent dispersion of dust. Use local exhaust ventilation where dust or aerosol may be generated.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area. Keep containers tightly closed and upright when not in use. Store away from incompatible materials (see Section 10). Inspect containers regularly for damage or leaks. Store at 2–8 °C. Protect from light.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Fast Blue B Salt (CAS: 14263-94-6)
AU/SWA (AU): No occupational exposure limit established.

8.2 Appropriate engineering controls

Ensure an adequate ventilation or exhaust system is in place.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standard AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hand protection

Use occupational protective gloves complying with AS 2161 (Selection, Use and Maintenance).

Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable particulate filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	Powder
Colour	No data available
Odour	Indeterminate
Odour threshold	No data available
Melting point/freezing point	Undetermined
Boiling point or initial boiling point and boiling range	Undetermined
Flammability	Non-Flammable
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available
Explosive properties	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Oxidising properties	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	Soluble
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available
Evaporation rate	No data available
Density and/or relative density	No data available
Relative vapour density	No data available
Particle characteristics	No data available
Supplemental information regarding physical hazard classes	No data available
Further safety characteristics (supplemental)	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Risk of explosion if heated under confinement. Self-reactive substance (Type C): heating may cause a fire.

10.2 Chemical stability

Chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Heating above the decomposition temperature may cause exothermic decomposition. In fine distribution a dust explosion potential may be assumed.

10.4 Conditions to avoid

Heat, hot surfaces, sparks, open flames and other ignition sources. Confinement when heated. Recommended storage temperature 2-8 °C.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

In the event of fire: see Section 5.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Harmful if swallowed.

Skin corrosion/irritation

Not expected to be a skin irritant.

Serious eye damage/irritation

Not expected to be an eye irritant.

Respiratory or skin sensitisation

Not expected to be a respiratory or skin sensitiser.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Not considered to be toxic to reproduction.

Specific target organ toxicity (STOT) - single exposure

Not expected to cause toxicity to a specific target organ.

Specific target organ toxicity (STOT) - repeated exposure

Not expected to cause toxicity to a specific target organ through repeated exposure.

Aspiration hazard

Not expected to be an aspiration hazard.

SECTION 12: Ecological information

Toxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
Not expected to bio-accumulate

Mobility in soil
No data available

Results of PBT and vPvB assessment
No data available

Endocrine disrupting properties
No data available

Other adverse effects
No data available

SECTION 13: Disposal considerations

Product disposal
Dispose of in accordance with local authority guidelines.

Packaging disposal
Dispose of in accordance with local authority guidelines. Empty containers may retain product residue and vapour. Do not cut, weld, braze, solder, drill or reuse containers.

Waste treatment
Dispose of in accordance with local authority guidelines.

Sewage disposal
Do not contaminate drains and waterways.

Other disposal recommendations
Do not discharge this material into waterways, drains and sewers. Empty containers retain liquid and/or vapour residue and are not to be pressure cut, welded, brazed, soldered, drilled or exposed to heat, flame, sparks, electricity or any other source of ignition. Rinse containers thoroughly with cold water when empty.

SECTION 14: Transport information

ADG (Australian Dangerous Goods Code, 7th Edition)

UN Number	UN3224
Proper shipping name	SELF-REACTIVE SOLID TYPE C (Contains FAST BLUE B SALT)
Transport hazard class	4.1
Packing group	
Special provisions	274
Hazchem code	1WE
Environmental hazards	Not classified

IMDG (International Maritime Dangerous Goods Code)

UN Number	UN3224
Proper shipping name	SELF-REACTIVE SOLID TYPE C (Contains FAST BLUE B SALT)
Transport hazard class	4.1
Packing group	
Marine pollutant	No

IATA (International Air Transport Association Dangerous Goods Regulations)

UN Number	UN3224
Proper shipping name	SELF-REACTIVE SOLID TYPE C (Contains FAST BLUE B SALT)
Transport hazard class	4.1
Packing group	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Fast Blue B Salt (CAS: 14263-94-6)

Australia SUSMP — Poison Schedule: Not Scheduled (NS)

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

SECTION 16: Other information

16.1 Further information/disclaimer

References

1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (June 2023).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013).
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code), Volume 1, Edition 7.9 (2023).
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).

16.2 Preparation information

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (June 2023). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used. Copyright © 2026 Hurst Scientific