

Infosafe No™ 3CHH1 Issue Date : January 2021 RE-ISSUED by ABS

Product Name **BOUIN'S FLUID**

Classified as hazardous

1. Identification

GHS Product Identifier BOUIN'S FLUID

Company Name AUSTRALIAN BIOSTAIN Pty Ltd

Address 24 - 28 Stratton Drive,
Traralgon, Victoria, Australia, 3844
www.australianbiostain.com.au

Telephone/Fax Number Tel: (03) 5176 2855

Emergency phone number CHEMCALL (24 hours): 1800 127 406 (Australia) / +64-4-917-9888 (International)

E-mail Address www.australianbiostain.com.au

Recommended use of the chemical and restrictions on use In vitro diagnostic reagent, intended for the preservation of samples for later analysis.

Other Names	<u>Name</u>	<u>Product Code</u>
	BOUIN'S FLUID	ABF

Other Information Australian Biostain Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Australian Biostain Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Australian Biostain Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture Acute Toxicity - Oral: Category 4
Skin Corrosion/Irritation: Category 2
Eye Damage/Irritation: Category 2A
Sensitization - Skin: Category 1
Carcinogenicity: Category 1B
Specific Target Organ Toxicity - Single Exposure Category 2

Signal Word (s) DANGER

Hazard Statement (s) H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H350 May cause cancer.
H371 May cause damage to organs (eyes).

Pictogram (s) Health hazard, Exclamation mark



Precautionary statement – Prevention P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face

Infosafe No™ 3CHH1 Issue Date : January 2021 RE-ISSUED by ABS

Product Name **BOUIN'S FLUID**

Classified as hazardous

Precautionary statement – Response protection.
P281 Use personal protective equipment as required.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P308+P313 IF exposed or concerned: Get medical advice/attention.

Precautionary statement – Storage P405 Store locked up.

Precautionary statement – Disposal P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Formaldehyde	50-00-0	<10 %
	Acetic acid	64-19-7	<10 %
	Picric acid	88-89-1	<1 %
	Methanol	67-56-1	<1 %
	Water to make a total of 7732-18-5		
	100%		

4. First-aid measures

Inhalation If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Ingestion Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Skin Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering or irritation occurs seek medical advice.

Eye contact If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.

First Aid Facilities Maintain eyewash fountain and safety shower in work area.

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of the patient.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Hazards from Combustion Products Oxides of carbon.

Specific Methods Small fire: Use foam, dry chemical, CO2 or water spray.
Large fire: Use foam, fog or water spray - Do not use water jets.
If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out.

Hazchem Code 2X

Precautions in connection with Fire SCBA and structural firefighter's uniform may provide limited protection. Fully-encapsulating, gas-tight suits should be worn for maximum protection.

6. Accidental release measures

Personal Precautions Evacuate the area of all non-essential personnel. Remove ignition sources. Avoid inhalation, contact with skin, eyes and clothing.

Infosafe No™ 3CHH1 Issue Date : January 2021 RE-ISSUED by ABS

Product Name **BOUIN'S FLUID**

Classified as hazardous

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods - Small Spillages Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

7. Handling and storage

Precautions for Safe Handling Avoid fumes.
Highly Flammable Material:-
Do not use near any source of ignition.
Use only in a well ventilated area.
No smoking or eating of food in area of use.
Keep containers tightly closed at all times.
Open containers slowly to avoid sudden pressure release.
Store in a cool dry place that is well ventilated and away from direct sunlight.
Empty containers must be filled with water and rinsed out before disposal or recommissioning.
Wear Safety glasses, gloves and protective apron.
Work in an area of good ventilation, an approved fume cupboard is preferred.
No eating or drinking in workplace, wash hands whenever leaving work area.

Conditions for safe storage, including any incompatibilities Keep in a cool, well-ventilated place Keep away from heat and other sources of ignition. Store away from oxidizing agents. Store away from strong acids. Keep containers securely sealed and protected against physical damage. Do not store in pits or basements where vapours may become entrapped. Do not store in aluminium containers. Take precautionary measures against static electricity discharges.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Formaldehyde	2.5	2	1.2	1	
	Acetic acid	37	15	25	10	
	Picric acid			0.1		
	Methanol	328	250	262	200	
Other Exposure Information	<p>These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.</p> <p>The STEL is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.</p>					
Appropriate engineering controls	<p>In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. These methods should be used in preference to personal protective equipment.</p>					
Respiratory Protection	<p>Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.</p>					
Eye Protection	<p>The use of a face shield, chemical goggles or safety glasses with side shield</p>					

Infosafe No™ 3CHH1	Issue Date : January 2021	RE-ISSUED by ABS
--------------------	---------------------------	------------------

Product Name **BOUIN'S FLUID**

Classified as hazardous

Hand Protection	protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Personal Protective Equipment	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.
Hygiene Measures	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Liquid
Appearance	Thin, clear, volatile liquid.
Colour	Clear, yellow.
Odour	Pungent
Melting Point	<2°C
Solubility in Water	Miscible.
Specific Gravity	1.017 @ 20°C

10. Stability and reactivity

Reactivity	May form an explosive mixture with air when vigorously heated.
Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Temperature extremes.
Incompatible Materials	Oxidising agents, alkali metals, metals and alloys.
Hazardous Decomposition Products	May liberate toxic fumes in fire producing carbon monoxide and or carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): >200 mg/kg - Formaldehyde LD50 (rat): 5628 mg/kg - Methanol LD50 (rat): 3310 mg/kg - Acetic acid
Ingestion	May cause nausea, vomiting, headache, dizziness, gastric irritation.
Inhalation	Irritating to the mucous membranes and respiratory tract. May cause headaches, dizziness, nausea and possible chest pains.
Skin	May cause irritation, itchiness and redness.
Eye	May cause irritation and watering. High concentrations of vapours may cause irritation.
Skin Sensitisation	Sensitization - Skin: Category 1 H317 May cause an allergic skin reaction.
Carcinogenicity	Formaldehyde: Safe Work Australia: Carcinogenicity: Category 1B IARC: Group 1: Carcinogenic to humans. May cause cancer by inhalation.
STOT-single exposure	Specific Target Organ Toxicity - Single Exposure Category 2. H371 May cause damage to organs (eyes).

Infosafe No™ 3CHH1 Issue Date : January 2021 RE-ISSUED by ABS

Product Name **BOUIN'S FLUID**

Classified as hazardous

12. Ecological information

Short Summary of Assessment of Environmental Impact No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations

Disposal Considerations Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

14. Transport information

Transport Information Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following: Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are alkalis, Class 7; and are incompatible with food and food packaging in any quantity.

U.N. Number 2922

UN proper shipping name CORROSIVE LIQUID, TOXIC, N.O.S.

Transport hazard class(es) 8

Sub.Risk 6.1

Hazchem Code 2X

Packing Group II

EPG Number 8C3

IERG Number 37

15. Regulatory information

Regulatory Information Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Poisons Schedule S6

16. Other Information

Literature References 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'.
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'.
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.
Safe Work Australia, 'Hazardous Chemical Information System'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
...End Of MSDS...

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.