

MATERIAL SAFETY DATA SHEET INFORMATION

For further information: Please refer to the Material Safety Data Sheet following

Issue: September 19- Revision 4 February 22

PRODUCT: Food Grade Ink
 Standard Meat Marking Ink

Other Names: Meat Marking Ink, Food Ink

Uses: Meat Printing/ Stamp Ink, constituents USA
 FDA approved

UN No.:	N/A
Dangerous Goods Class:	N/A
Subsidiary Risk:	None
Packing Group:	N/A
Hazchem Code:	N/A
Poisons Schedule:	None

Hazardous Nature:	Safe work Australia (Australia,1/2014)
Exposure Standards:	TWA: None specified: consider 5 g/m3; STEL: None specified: consider 5 g/m3; Peak Limitation (if any): None; Skin Sensitiser (if any): None. Refer to Section 8 for further information and definitions.

Physical Characteristics (Typical) Section 9 of the MSDS

Appearance	Coloured, mobile liquid
Melting Point (°C):	Not Available
Relative Density (g/100g @ 20°C):	Not Available
pH:	Not Available
Chemical Stability:	Stable under recommended storage conditions.
Reactivity:	No Data Available

Product Ingredients Section 3 of the MSDS

Ingredient	CAS Number	Proportion
Water		<80
Sugar		<40
Colourants	various	<3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Hazard Statements Section 2 of the MSDS

H302 May be harmful if swallowed
H315 May causes skin irritation
H336 May cause drowsiness or dizziness.

DEFINITIONS

Dangerous Goods	Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous Goods for transport by Air and Sea, but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification.
Poisons	Poisons are products that are regulated by the dose or exposure, often having physical and chemical effects at certain concentrations particular to the nature of the product. The associated warnings, cautions and First Aid instruction are prescriptive under the regulation in Australia.

SUMMARY INFORMATION ONLY

1. IDENTIFICATION

Product Name: Standard Meat Marking Ink - Food Grade Ink
Other Names: Meat Marking Ink, Food Ink
Chemical Family: Food grade ink
Recommended Use: Meat Printing / Stamping Ink
Supplier: Mitchell Engineering Food Equipment Pty Ltd
ABN: 86143027052
Address: 23 Storie Street, Clontarf QLD 4019
Telephone: +61 7 3283 4536
Fax: +61 7 3885 8940
Emergency Phone: +61 422 811260
All other inquiries: 0422 811 260

2. HAZARDS IDENTIFICATION

Hazard Classification

Safe work Australia (Australia,1/2014)

Hazard Category

N/A Not Dangerous Goods Classification

Hazard Statements

H302 May be harmful if swallowed
H315 May causes skin irritation
H336 May cause drowsiness or dizziness.

Precautionary Statements

P102 Keep out of reach of children
P103 Read label before use
P280 Wear protective gloves/protective clothing/eye protection/face protection

Not Dangerous Goods Classification

Poisons Schedule: Non

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
Water		<80
Sugar		<40
Colorants	Various	<3

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

Ingestion

If swallowed, do NOT induce vomiting.

Eye Contact

If in eyes wash out immediately with water.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhalation

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

First Aid Facilities

Eyebaths, safety showers.

Medical Attention

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable Extinguishing Media

Product is not flammable. Use appropriate media for adjacent fire. Cool containers with water.

Hazards from products

N/A

Precautions for fire fighters and special protective equipment

Fully self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment

Major Land Spill

- Warn occupants of downhill areas of spillage.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use a hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity"

Major Water Spill

- Warn occupants and shipping in downhill areas of spillage.

- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

7. HANDLING AND STORAGE

Precautions for Safe Handling

This product is not combustible. Avoid discharge to waterways or grasslands. This product is soluble with water and will disperse rapidly.

Conditions for Safe Storage

This product is not combustible. Protect packaging from damage. Check regularly for leaks. Dam spills and recover with absorbent material.

Incompatible Materials

None known

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: Recommended: , which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: Recommended: , which is the maximum allowable exposure concentration at any time.

Biological Limit Values (BLV)

None specified

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Provide mechanical ventilation of confined spaces.

Personal Protective Equipment

Respiratory Protection: Not needed under normal conditions of use.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/Body Protection: Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that waterproof gloves be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical Value
Appearance	None	Coloured, mobile liquid
Boiling Range	°C	100
Density	g/100g; kgm ⁻³	Not Available
Explosive Limits in Air	% vol/vol	No data available
Flash Point	°C	N/A
Solubility in Water	g/l	Soluble

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

10. STABILITY AND REACTIVITY

Chemical stability

Stable.

Conditions to avoid

Avoid direct sunlight and excessive heat.

Hazardous reactions

Hazardous reactions will not occur.

Hazardous polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

This product may cause discomfort on swallowing and may result in gastric disturbances. Large doses may result in euphoria and central nervous system effects such as headache, nausea, and dizziness.

Eye Contact

This product may be irritating to eyes on contact, but will not result in permanent corneal damage.

Skin Contact

This product may result in pain and irritation of the skin.

Inhalation

This product is unlikely to produce excessive vapours at ambient temperature, however, at elevated temperatures, there may result some vapour causing discomfort. Mists of this product, while unlikely in normal conditions of use, can be harmful if inhaled.

Chronic Effects

Non expected.

Other Health Effects Information

Persons with pre-existing skin, liver or kidney conditions may be sensitive to this product. Appropriate applications of PPE will avoid any undue product contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not considered an environment hazard.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product can be recycled. As a USFDA approved product, the packaging can be disposed as general waste.

Special Precautions

Do not put into sewer lines. Dispose of according to local, state, and federal regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	N/A	UN No.	N/A	UN No.	N/A
Proper Shipping Name	N/A	Proper Shipping Name	N/A	Proper Shipping Name	N/A
DG Class	N/A	DG Class	N/A	DG Class	N/A
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	N/A	Packing Group	N/A	Packing Group	N/A
Hazchem	N/A	Hazchem	N/A	Hazchem	N/A

15. REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: None

International List – National Inventory:

Canada: All components are listed or exempted

China: All components are listed or exempted

Europe: All components are listed or exempted

Japan: Japan Inventory (ENCS) All components are listed or exempted

Japan Inventory (ISHL) Not determined

Malaysia: All components are listed or exempted

New Zealand: All components are listed or exempted

Philippines: All components are listed or exempted

Republic of Korea: All components are listed or exempted

Taiwan: All components are listed or exempted

Turkey: All components are listed or exempted

United States: All components are listed or exempted

16. OTHER INFORMATION

Reasons for Issue: New product supply to Australia; amalgamated supplier changes in all sections.

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

References:

- Supplier Material Safety Data Sheets
- <http://hsis.ascc.gov.au/SearchHS.aspx> (February 22)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (February 22)

• Ecotoxicology data: http://cfpub.epa.gov/ecotox/quick_query.htm (February 22)

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Mitchell Engineering Food Equipment Pty Ltd.

