

SAFETY DATA SHEET

PRODUCT AND COMPANY INFORMATION

PRODUCT: TATTOO INK
USE: ANIMAL TATTOOING
COMPANY: THORLIN SUPPLY COMPANY

HAZARDS IDENTIFICATION

GHS Classification:

Not Classified as **Hazardous** according to the criteria of the **Hazardous Substances Information System (HSIS)**.

Not Classified as **Dangerous Goods** according to the **ADG Code** (Australian Code for the Transport of Dangerous Goods by Road and Rail – 7th Edition)

Hazard Category: None allocated

Risk phrase(s): None allocated

Safety phrase(s): None allocated

COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion</u>
Paste	-	20 – 30 %
Sulphonated Canola Oil	61790-19-0	10-20 %
Sodium Borate	1330-43-4	< 10 %
Shellac	9000-59-3	< 10 %
Water	7732-18-5	Up to 50 %

All constituent chemicals are listed in the Australian Inventory of Chemical Substances (AICS)

FIRST AID MEASURES

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. If respiratory irritation, dizziness, nausea or unconsciousness occurs obtain medical attention.

Ingestion:

If swallowed, wash out mouth thoroughly with water. Never give anything by mouth to an unconscious person. Obtain medical attention.

Skin Contact:

Immediately flush contacted skin with plenty of water. Remove contaminated clothing and shoes and wash before re-use. Obtain medical attention if irritation develops.

Eye Contact:

Immediately flush eyes with copious amounts of water.

FIRE FIGHTING MEASURES

Fire/Explosion Hazard:

None Allocated.

Fire Extinguishing Media:

Foam, carbon dioxide or dry chemical powder.

Water or foam may cause frothing. Burning liquid will float on water.

Use water to cool fire exposed surfaces.

Special Protective Equipment for Fire-fighters:

Wear self-contained breathing apparatus and protective clothing to reduce risk of exposure.

Hazchem Code:

None allocated

Hazardous products of combustion:

Burning can produce carbon monoxide and/or carbon dioxide

Other information:

Prevent run-off into drains and waterways.

ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Remove all sources of ignition.

Provide adequate ventilation.

Evacuate all unnecessary personnel.

Contact appropriate emergency services.

Methods for cleaning up:

Contain spill if possible.

Absorb in inert absorbent (ie. Sand, soil, vermiculite). Collect residues in appropriate and suitably labelled container/s for disposal by an approved method.

Clean area with detergent and water.

Personal precautions

Wear appropriate protective clothing.

Refer to Personal Protection section for PPE information.

Environmental precautions

Prevent runoff from entering sewers or waterways. Advise emergency services and appropriate local environment authority if contamination occurs.

HANDLING AND STORAGE

Handling:

Use in a well-ventilated area or with appropriate ventilation.

Avoid all sources of ignition, heat and open flames.

Wear appropriate PPE when handling material.

Storage:

Keep containers tightly closed.

Keep containers in a cool well-ventilated area.

Store separate from incompatible materials.

Empty containers represent a hazard as they may contain product residues and vapour. Eliminate all sources of ignition.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

There are no values assigned for individual ingredients in this mixture by the Hazardous Substances Information System (HSIS).

Engineering Controls:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible and maintain air concentrations below exposure standards. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

All such equipment must be intrinsically safe.

Safety showers with eyewash should be provided in all areas where product is handled.

Personal protective equipment

Respiratory protection

Avoid breathing vapours or mists. Where vapours or mists are generated and if the exposure limit is exceeded and engineering controls are not feasible, selection and use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended. Selection of appropriate breathing protection will depend on actual airborne concentrations and exposure levels.

Hand protection

Approved chemical resistant gloves should be worn to prevent skin contact (AS 2161). Consult penetration data for adequacy of materials for use with different chemicals in relation to exposure time (this can be obtained from the glove manufacturer).

Eye protection

Safety glasses with side shields, goggles or face shield should be worn in accordance with AS/NZS 1337, or a full face shield where splashing is possible.

Skin and body protection

Skin and body protection should be such that all exposed areas of skin are covered. If prolonged or repeated contact with material is likely, protective clothing such as an apron made of a suitable resistant material (PVC or neoprene) should be worn. Use protection suitable for conditions.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the toilet and at the end of the working period.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black or green coloured liquid	Flash Point:	> 99°C
Odour:		Specific Gravity:	1.05 @ 20°C
Boiling Point:	Approx. 100°C (Loss of Water)	Solubility in Water:	Water Soluble
Vapour pressure:	Data not available	Vapour density:	Data not available
Lower Explosive Limit (LEL):	Data not available	Upper Explosive Limit (LEL):	Data not available

STABILITY AND REACTIVITY

Stability:

Stable under ambient conditions of use and storage.

Conditions to avoid:

None.

Materials to avoid/Incompatibilities:

Strong oxidising agents.

Hazardous decomposition:

Burning can produce carbon monoxide and/or carbon dioxide.

Hazardous polymerisation:

Will not occur.

TOXICOLOGICAL INFORMATION

Health Effects: Acute-

Signs and Symptoms:

Vegetable oils have a low order of acute toxicity. They are not typically irritating to the eyes or skin and are not skin sensitizing.

Inhalation:

Not expected to cause discomfort, however, vapours may be unpleasant at elevated temperatures. If patient is experiencing respiratory discomfort, dizziness or nausea, obtain immediate medical attention.

Swallowed:

Accidental swallowing is unlikely in an occupational environment. Ingestion may produce a laxative effect. The vegetable oil contained in this product is prescribed to be taken internally, so no adverse effects are expected.

Eye:

Liquid or vapours are not expected to cause discomfort or be irritating. Obtain medical attention if symptoms develop.

Skin:

Non-irritating or sensitizing. The vegetable oil contained in this product is prescribed for skin contact, so no adverse health effects are expected.

Health Effects: Chronic-

Vegetable oils of a similar composition and refining history have not exhibited chronic or carcinogenic activity in laboratory animals. Subchronic studies conducted with similar vegetable oils have not resulted in any adverse biological effects. Chronic studies of vegetable oils have shown no indication of chronic toxicity or carcinogenicity.

ECOLOGICAL INFORMATION

Full ecological studies have not been completed on this product.

Ecotoxicity: Not Available.

Persistence and degradability: This product is vegetable oil based and will eventually degrade.

Mobility: Product disperses readily in water.

DISPOSAL CONSIDERATIONS

Method of disposal:

Empty packaging should be disposed of or recycled through an approved service facility in accordance with federal, state and local authorities.

Recovered product or solid residues should be disposed of through an approved waste disposal service facility. Observe all federal, state and local environmental regulations

Special precautions:

This product is not suitable for disposal by either landfill or via municipal sewers, drains, or natural streams or rivers. This product is ashless and can be incinerated.

TRANSPORT INFORMATION

Not Classified as Dangerous Goods according to the ADG Code.

Subject to transport regulations.

ADG:	Not Regulated as Dangerous Goods
IMDG:	Not Regulated as Dangerous Goods
ICAO/IATA:	Not Regulated as Dangerous Goods

UN Number: None allocated

UN Proper Shipping Name: None allocated

Dangerous Goods Class: None allocated

Subsidiary risk: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

REGULATORY INFORMATION

Poisons schedule: Not Scheduled
According to the Standard for the Uniform Scheduling of Drugs and Poisons

OTHER INFORMATION

MSDS Issue Date: February 2021

Version: 2

Reason for alteration:

Update to comply with GHS Guidelines
Ingredients Update.
Review of hazard and safety information.
General update.

Key to abbreviations:

ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service Registry Number
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
HSIS	Hazardous Substance Information System
ICAO	International Civil Aviation Organisation
IATA	International Air Transport Association
IMDG	International Maritime Organisation Rules
NOHSC	National Occupational Health and Safety Commission
STEL	Short term exposure limit
TWA	Time weighted average
LC _{Lo}	Lethal Concentration Low – lowest concentration causing death
LD _{Lo}	Lethal Dose Low – lowest dose causing death
LC ₅₀	Lethal Concentration required to kill 50% of test population
EC ₅₀	Half maximal effective concentration

OTHER INFORMATION cont.

Label Precautions:

- Store in a tightly closed container.
- Store in a cool, well ventilated area.
- Wear appropriate personal protective equipment.

Label First Aid:

- IN SEVERE CASES, CALL FOR MEDICAL ATTENTION IMMEDIATELY.
- If ingested, and patient is conscious, rinse out mouth with water.
- If inhaled, remove patient to fresh air.
- In case of eye contact, immediately flush eyes with copious amounts of water.
- In case of skin contact, remove contaminated clothing and wash contaminated area with soap and plenty of water.

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This SDS has been prepared and issued by:
Sharp and Howells
Chartered Chemists

The information contained herein is based on the present state of our knowledge. This document characterises the product with regard to the appropriate safety precautions and is only proposed as a guide when applied for its intended use. Each intended user should consult this SDS and perform their own appropriate risk assessment in context to how the product will be handled and used in the workplace. Sharp and Howells Pty Ltd will not be responsible for any loss or damages resulting from use of or reliance on the information and advice contained herein.