



# Safety Data Sheet



Section 1 PRODUCT IDENTIFICATION	
Product Name:	Campoxy TLE599 Part A
Synonyms:	Campoxy TLE599 Base
Recommended Use:	Solvent free chemical resistant tank lining (when combined with Part B)
Supplier Information:	Cameleon Coatings 26 Paramount Drive Wangara 6055 Phone:(08) 9302 2577 <a href="http://www.cameleon.com.au">www.cameleon.com.au</a> Emergency Phone: 0413 610 147 (24 hours)
Section 2 HAZARD IDENTIFICATION	
Hazard Classification:	<p><b>DANGEROUS GOODS</b> according to the criteria of the ADG code  <i>*Refer Special Provisions in TRANSPORT INFORMATION</i></p> <p><b>HAZARDOUS CHEMICAL</b> according to the criteria of Safe Work Australia</p> <p>Skin corrosion/irritation, Category 2            Serious eye damage/irritation, Category 2            Skin sensitisation, Category 1            Chronic aquatic toxicity, Category 2</p> <p>Label elements:            Pictograms</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">               IRRITANT           </div> <div style="text-align: center;">               ENVIRONMENT           </div> </div> <p>Signal Word: <b>WARNING</b></p>
Hazard Statements:	H315 Causes skin irritation H319 Causes serious eye irritation H317 May cause an allergic skin reaction H411 Toxic to aquatic life with long lasting effects
Precautionary Statements:	<p><i>GENERAL</i></p> P101 If medical advice is needed, have product container or label at hand P102 Keep out of reach of children P103 Read label before use <p><i>PREVENTATIVE</i></p> P261 Avoid breathing mists/vapours/spray

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	<p>P264 Wash thoroughly after handling P272 Contaminated work clothing should not be allowed out of the workplace P273 Avoid release to the environment P280 Wear protective gloves/eye protection/face protection</p> <p><b>RESPONSE</b></p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove +P338 contact lenses, if present and easy to do. Continue rinsing P333+P313 If skin irritation or rash occurs: Get medical advice/attention P337+P313 If eye irritation persists: get medical advice/attention P362 Take off contaminated clothing and wash before reuse P391 Collect spillage</p> <p><b>DISPOSAL</b></p> <p>P501 Dispose of contents/container in accordance with local regulations</p>
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## Section 3 COMPOSITION

Ingredient	CAS Number	Proportion
Epichlorhydrin, bisphenol A resin	25068-38-6	40-60%
Oxirane, mono[(C12-14-alkoxy)methyl] derivative	68609-97-2	<10%
Other Non-Hazardous Materials to 100%		

Proportion is % weight per weight

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

## Section 4 FIRST AID MEASURES

Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons.

### Description of necessary first aid measures

**Inhalation:** Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**Skin Contact:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. Transport to nearest medical facility for additional treatment if necessary.

**Eye Contact:** If in eyes, hold eyes open, flush the eyes continuously with running water for at least 15 minutes. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek immediate medical assistance.

**Ingestion:** If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. Wash out mouth with water.

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## Section 5 FIRE FIGHTING MEASURES

### Suitable Extinguishing Media:

Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Water fog, applied gently may be used as a blanket for fire extinguishment.

### Hazards from combustion products:

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including halogenated compounds, phenolics, carbon monoxide, carbon dioxide and oxides of nitrogen.

### Specific Hazards:

This product will burn if exposed to fire.

### Fire Fighting Advice:

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or decomposition products. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Water fog, applied gently may be used as a blanket for fire extinguishment. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.

### Precautions in connection with fire:

Fire fighters should wear self-contained breathing apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapour or fumes. Water spray may be used to cool down heat exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## Section 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area.

### Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

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## Section 7 HANDLING AND STORAGE

### Precautions for safe handling

Avoid inhalation of vapours and mists, and skin or eye contact. Handle and open containers with care in a well ventilated area. Keep containers sealed when not in use. Prevent the buildup of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as leaks or damage. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures, Ensure that storage conditions comply with applicable local and national regulations.

Store at a temperature between 2°C and 40°C.

## Section 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

### National Exposure Standard

No exposure limit established

### Biological monitoring

No biological limits allocated.

### Engineering controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

### Individual protection measures

**Eye and face protection:** Safety glasses with side shields, chemical goggles or full face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection should conform to Australia/New Zealand Standard AS/NZS 1337 Eye Protectors for Industrial Applications.

**Hand protection:** Wear gloves of impervious material such as butyl rubber, ethyl vinyl alcohol laminate (EVAL). Breakthrough time > 8 hrs. Final choice of appropriate gloves will vary according to individual circumstances ie methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves-selection, use and maintenance.

**Respiratory protection:** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist 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, in order to make the necessary changes for individual circumstances.

**Body Protection:** Suitable protective workwear, eg cotton overalls buttoned at the neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

**Hygiene Measures:** Ensure a high level of personal hygiene is maintained when using this product. Always wash hands after handling. And before eating, drinking, smoking or using toilet facilities. Provide readily accessible eye wash stations and safety showers.

**Thermal hazards:** Not applicable

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## Section 9 PHYSICAL PROPERTIES

Appearance: Clear or coloured liquid  
Solubility: Insoluble in water

Odour:	Slight	Density @ 20°C:	~1.55* kg/lit
pH:	NAP	Flash point & Method:	>200°C Closed Cup
Vapour Pressure 20°C (mm Hg):	NAV	Upper Explosive Limit (UEL):	NAV
Vapour Density (Air = 1)	NAV	Lower Explosive Limit (LEL):	NAV
Initial Boiling Point & Range °C:	>200	Ignition Temperature °C:	NAV
Freezing Point °C:	NAV	Percent Volatiles (by weight):	0

NAP = Not Applicable, NAV = Not Available  
\*For white

## Section 10 STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions of use.

### Chemical stability

Stable under normal conditions of use.

### Possibility of hazardous reactions

Stable under normal conditions of use.

Hazardous reaction will not occur by itself. Masses of more than 0.5 kg of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

### Conditions to avoid

Avoid short term exposures to temperatures above 300 °C

Potentially violent decomposition can occur above 350 °C

Avoid prolonged exposure to temperatures above 250 °C

Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.

**Incompatible materials:** Avoid contact with oxidizing materials. Avoid contact with: Acids. Bases. Avoid unintended contact with amines.

**Hazardous decomposition products:** Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

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## Section 11 TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Expected to be of low toxicity – for Epichlorhydrin, bisphenol A resin LD50 Oral (rat) > 2000 mg/kg LCO Inhalation (rat, 4h) 0.00001ppm/5hr (vapour) LD50 Dermal (rat) > 2000 mg/kg
<b>Skin corrosion/irritation:</b>	Irritating to skin. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis. May cause sensitisation by skin contact.
<b>Serious eye damage/irritation:</b>	Irritating to eyes. On eye contact this product will cause stinging, blurred vision and redness.
<b>Respiratory or skin sensitisation:</b>	May cause sensitisation by skin contact.
<b>Germ cell mutagenicity:</b>	Not expected to be mutagenic
<b>Carcinogenicity:</b>	Not expected to be carcinogenic.
<b>Reproductive toxicity:</b>	Not expected to be a human reproductive toxicant.
<b>Specific Target Organ Toxicity (STOT) – single exposure:</b>	Inhalation of vapours or mists may cause irritation to the nose, throat and respiratory system.
<b>Aspiration hazard:</b>	Not expected to be an aspiration hazard.

## Section 12 ECOLOGICAL INFORMATION

### Ecotoxicity

For constituent **Epichlorhydrin, bisphenol A resin**:

Material is moderately toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

LC50/EC50/IC50 is between 1 and 10 mg/L in the most sensitive species.

### Persistence and degradability

Not Readily biodegradable

### Bioaccumulative potential

Not expected to bioaccumulate significantly.

### Mobility in soil

Data not available

### Other adverse effects

Data not available.

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## Section 13 DISPOSAL CONSIDERATIONS

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

## Section 14 TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG7) for transport by road or rail.

**However the following Special Provisions within ADG7 apply to this product:**

### 3.3.3 AUSTRALIAN SPECIAL PROVISIONS

**The Special Provisions in this Section 3.3.3 are peculiar to this Code and are therefore not applicable to international transport, or to air or sea transport within Australia.**

**SP No. AU01**

**Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in;**

**(a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or**

**(b) IBCs.**

UN Number:	3082	HAZCHEM:	•3Z
UN Proper Shipping Name:	Environmentally hazardous substance, Liquid, NOS (Epoxy Resin)	Packaging Group:	III
Class and Sub Risk:	9		

## Section 15 REGULATORY INFORMATION

**Hazardous according to Safe Work Australia**

**Poisons Schedule (Australia): S5**

## Section 16 OTHER INFORMATION

**Date of preparation: August 2016**

**Version 1.04**

### General:

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the work-place.

Since Cameleon Coatings cannot anticipate or control the conditions under which this product may be used or handled, each user must, prior to using or handling this product, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is required to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers, and is also available from the company upon request.