





Safety Data Sheet



Section 1 PRODUCT IDENTIFICATION	
Product Name:	Campoxy ER559 Part A
Synonyms:	none
Recommended Use:	Early recoat anticorrosive epoxy primer (when Part A mixed with Part B)
Supplier Information:	Cameleon Coatings 26 Paramount Drive Wangara 6055 Phone:(08) 9302 2577 www.cameleon.com.au Emergency Phone: 0413 610 147 (24 hours)
Section 2 HAZARD IDENTIFICATION	
Hazard Classification:	<p>DANGEROUS GOODS according to the criteria of the ADG code</p> <p>HAZARDOUS CHEMICAL according to the criteria of Safe Work Australia</p> <p>Flammable Liquids, Category 2</p> <p>Skin corrosion / Irritation, Category 2</p> <p>Serious eye damage/eye irritation, Category 1</p> <p>Skin sensitiser, Category 1</p> <p>Toxic to reproduction, Category 1A</p> <p>Acute aquatic hazard, Category 3</p> <p>Label elements:</p> <p>Pictograms</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  FLAMMABLE </div> <div style="text-align: center;">  IRRITANT </div> <div style="text-align: center;">  HEALTH HAZARD </div> <div style="text-align: center;">  CORROSIVE </div> </div> <p>Signal Word: DANGER</p>
Hazard Statements:	<p>H225 Highly flammable liquid and vapour</p> <p>H315 Causes skin irritation</p> <p>H318 Causes serious eye damage</p> <p>H317 May cause an allergic skin reaction</p> <p>H360 May damage the unborn child</p> <p>H402 Harmful to aquatic life</p>
Precautionary Statements:	<p>GENERAL</p> <p>P101 If medical advice is needed, have product container or label at hand</p> <p>P102 Keep out of reach of children</p> <p>P103 Read label before use</p>

Safety Data Sheet



	<p>PREVENTATIVE</p> <p>P210 Keep away from heat/sparks/open flames/hot surfaces – No Smoking P233 Keep container tightly closed</p> <p>P240 Ground/bond container and receiving equipment P241 Use explosion proof electrical/ventilation/lighting equipment P242 Use only non-sparking tools P243 Take precautionary measures against static discharge P261 Avoid breathing mists/vapours/spray 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 P281 Use personal protective equipment as required</p> <p>RESPONSE</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water P303+P361+ IF ON SKIN (or hair):Take off contaminated clothing and wash before reuse P353 Rinse skin with water/shower P332+P313 If skin irritation occurs: Get medical advice/attention P333+P313 If skin irritation or rash occurs: Get medical advice/attention P305+P351+ IF IN EYES: Rinse cautiously with water for several minutes. Remove P338 contact lenses if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTRE or doctor/physician P337+P313 If eye irritation persists: Get medical advice/attention P362 Take off contaminated clothing and wash before reuse P308+P313 If exposed or concerned: get medical advice/attention</p> <p>STORAGE</p> <p>P403+P235 Store in a well-ventilated place. Keep cool P405 Store locked up</p> <p>DISPOSAL</p> <p>P501 Dispose of contents/container in accordance with local regulations</p>
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Section 3 COMPOSITION

Ingredient	CAS Number	Proportion
Dimer fatty acids, tall oil fatty acids, triethylenetetramine polymer	68082-29-1	10-20%
Xylene	1330-20-7	10-20%
Toluene	108-88-3	<10%
Butanol	71-36-3	<5%
4,4'-methylenebis(cyclohexylamine)	1761-71-3	<1%
Tris-2,4,6-(Dimethylaminomethyl)phenol	90-72-2	<2%
Benzyl Alcohol	100-51-6	<2%
Other Non-Hazardous Materials to 100%		

Note – product contains <0.1% benzene

Safety Data Sheet



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. Flush with copious amounts of water. Transport to nearest medical facility for additional treatment if necessary. If medical care not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

Eye Contact: If in eyes, hold eyes open, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care not promptly available, continue to irrigate for one hour.

Ingestion: If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Symptoms caused by exposure

Inhalation: Breathing of high vapour concentrations may cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continuous inhalation may result in unconsciousness and death.

Skin: May include burning sensation and/or a dried/cracked appearance.

Eye: May include burning sensation, redness, swelling and/or blurred vision.

Ingestion: May include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever.

Section 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Foam, water spray or fog, carbon dioxide, dry chemical powder. Do not use water in a jet.

Specific Hazards:

Carbon monoxide may be evolved if incomplete combustion occurs. May generate ammonia gas. May generate toxic nitrogen oxide gas. Burning produces noxious and toxic fumes. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

Fire Fighting Advice:

Class 3 Highly Flammable liquid. On burning this product may emit toxic fumes. Heating can cause expansion or decomposition leading to violent rupture of containers. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or decomposition products.

Avoid contact with the skin and eyes. A face shield and personal protective equipment should be worn.

Safety Data Sheet



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. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterways using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

Methods and materials for containment and cleaning up

For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

Section 7 HANDLING AND STORAGE

Precautions for safe handling

Highly flammable product. Avoid breathing vapours. Handle and open containers with care in a well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Flameproof equipment necessary in area where chemical is being used. Vapours may accumulate in low or confined areas.

Conditions for safe storage, including any incompatibilities

Bulk storage tanks should be banded. Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants or acids. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

Section 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Limits.

No value has been assigned for this specific product by the National Occupational Health and Safety Commission (NOHSC) Worksafe Australia

However, exposure standards for constituents:

Material	TWA		STEL		Notices
	ppm	Mg/m ³	ppm	mg/m ³	
Xylene	80	350	150	655	SK
Toluene	50	191	150	574	-

TWA:

The Time Weighted Average airborne concentrations over an eight-hour working day, for a five day working week over an entire working life.

Safety Data Sheet



STEL:

(Short Term Exposure Limit) The average airborne concentration over a fifteen minute period which should not be exceeded at any time during a normal eight-hour work day.

SK Notice:

Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

According to current knowledge, these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These exposure standards are guides to be used in the control of Occupational Health Hazards. All atmospheric contamination should be kept as low as is practicable.

Exposure standards should **NOT** be used as the defining line between safe and dangerous concentrations of chemicals. They are **NOT** a measure of relative toxicity.

Biological monitoring

No biological limit allocated.

Engineering controls

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use. DO NOT enter confined spaces where vapour may have collected.

Individual protection measures

Eye and face protection: Full face shield with safety goggles underneath. Chemical resistant goggles must be worn.

Hand protection: Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

Body protection: Slicker suits. Impervious clothing. Full rubber suit (rain gear). Rubber or plastic boots.

Respiratory protection: If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Thermal hazards: Not applicable

Section 9 PHYSICAL PROPERTIES

Appearance: Coloured mobile liquid

Solubility: Insoluble in water

Odour:	Solvent	Density @ 20°C:	~1.44* kg/lit
pH:	NAP	Flash point & Method:	~ 7°C Closed Cup
Vapour Pressure 20°C (mm Hg):	~ 5.0 kPa	Upper Explosive Limit (UEL):	8.0%
Vapour Density (Air = 1)	~3.5	Lower Explosive Limit (LEL):	1.2%
Initial Boiling Point & Range °C:	~ 110-145	Ignition Temperature °C:	NAV
Freezing Point °C:	NAV	Percent Volatiles (by weight):	~ 31*%

NAP = Not Applicable, NAV = Not Available
*for Buff (varies with colour)

Safety Data Sheet



Section 10 STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions of use.

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

Product slowly corrodes copper, aluminium, zinc and galvanised surfaces..

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials

Strong oxidising agents, organic acids, mineral acids, sodium hypochlorite

Hazardous decomposition products

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide, nitric acid, ammonia, oxides of nitrogen and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

Section 11 TOXICOLOGICAL INFORMATION

Acute toxicity:	Expected to be of low toxicity - LD50 Oral (rat) > 2000 mg/kg LC50 Inhalation (rat, 4h) > 20 mg/l LD50 Dermal (rabbit) > 2000 mg/kg
Skin corrosion/irritation:	Causes skin irritation. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Serious eye damage/irritation:	Causes serious eye damage/eye irritation
Respiratory or skin sensitisation:	May cause sensitisation of susceptible individuals by skin contact
Germ cell mutagenicity:	Not expected to be mutagenic
Carcinogenicity:	Not expected to be carcinogenic
Reproductive toxicity:	Experiments have shown reproductive toxicity effects in male and female laboratory animals. Suspected human reproductive toxicant. Damage to foetus possible.
Specific Target Organ Toxicity (STOT) – single exposure:	Inhalation of vapours or mists may cause irritation to the respiratory system.
Specific Target Organ Toxicity (STOT) – repeated exposure:	Central nervous system: repeated exposure affects the nervous system. Effects seen at high doses only. Respiratory system: repeated exposure affects the respiratory system. Effects seen at high doses only
Aspiration hazard:	Not expected to be an aspiration hazard

Safety Data Sheet



Section 12 ECOLOGICAL INFORMATION

Ecotoxicity

For constituent **Xylene**:

Acute Toxicity – fish:	Toxic, 1<LC/EC/IC 50 ≤ 10mg/l.
Acute Toxicity – invertebrates:	Toxic, 1<LC/EC/IC 50 ≤ 10mg/l.
Acute Toxicity – algae:	Toxic, 1<LC/EC/IC 50 ≤ 10mg/l.
Acute Toxicity – microorganisms	Data not available
Chronic toxicity	Data not available

For constituent **Toluene**

Acute Toxicity – fish:	Toxic, 1<LC/EC/IC 50 ≤ 10mg/l.
Acute Toxicity – invertebrates:	Harmful, 10<LC/EC/IC 50 ≤ 100mg/l.
Acute Toxicity – algae:	Low, LC/EC/IC 50 > 100mg/l.
Acute Toxicity – microorganisms	Data not available
Chronic toxicity	Data not available

Persistence and degradability

Data not available

Bioaccumulative potential

Data not available

Mobility in soil

Data not available

Other adverse effects

Data not available

Section 13 DISPOSAL CONSIDERATIONS

This product should not be allowed to enter drains, watercourses or the soil. Keep unwanted product in sealed containers for disposal via special chemical waste collections. Dispose of containers and unused contents in accordance with federal, state and local council requirements.

Section 14 TRANSPORT INFORMATION

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

UN Number:	1263	HAZCHEM:	•3YE
UN Proper Shipping Name:	PAINT	Packaging Group:	II
Class and Sub Risk:	3 Flammable Liquid		

Special Precautions: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1) in bulk, poisonous gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2) and radioactive substances (Class 7), however, exemptions may apply.

Safety Data Sheet



Section 15 REGULATORY INFORMATION

Hazardous according to Safe Work Australia

Poisons Schedule (Australia): S5

Section 16 OTHER INFORMATION

Date of preparation: July 2016

Version 1.05

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.