

Safety Data Sheet

Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: GALAXIE PU SUPER CLEAN

Synonyms

Galaxie PU SC 20KG

Product Code

GALPUSC20

Recommended use: For non-flammable cleaning of polyurethane resin in pumps and equipment.

Supplier: Tam Australia Pty Ltd
ABN: 35 637 639 251
Street Address: 314 Glen Osmond Road,
Myrtle Bank, SA 5064
Australia
Website tamaustralia.com.au

Emergency Telephone number: Australia – 131 126, New Zealand 0800 764 766

2. HAZARDS IDENTIFICATION

This material is hazardous according to the criteria of Safe Work Australia GHS 7.



Signal Word

Danger

Hazard Classifications

Acute Toxicity (Oral) – Category 4

Skin Irritation – Category 2

Eye Irritation – Category 2

Carcinogenicity – Category 2

Specific Target Organ Toxicity (Single Exposure) – Category 3

Specific Target Organ Toxicity (Repeated Exposure) – Category 2

Hazard Statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H351 Suspected of causing cancer.

Prevention Precautionary Statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing mist or vapors.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Safety Data Sheet

Response Precautionary Statements

P302 + P352	IF ON SKIN: Wash with plenty of water.
P304 + P340 + P311	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Storage Precautionary Statements

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal Precautionary Statement

P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
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Poison Schedule: Schedule 5 (based on methylene chloride component).

DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Dichloromethane	75-09-2	>40<50%(w/w)
Propylene carbonate	108-32-7	>50%(w/w)
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre Phone Australia 131 126.

General advice:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically. Symptoms of poisoning may be delayed.
If inhaled:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor or Poisons Information Centre for advice. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
In case of skin contact:	Remove contaminated clothing and shoes. Immediately flush skin and hair with running water and soap, if available, for at least 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.
In case of eye contact:	Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, consult a specialist.
If swallowed:	Rinse mouth, then drink water. Do NOT induce vomiting. Avoid giving milk or oils. Never give anything by mouth to an unconscious person. Seek urgent medical advice.

Safety Data Sheet

Most important symptoms and effects, both acute and delayed:

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs and through prolonged or repeated exposure may damage the central nervous system, liver and kidneys.

Protection of first-aiders: Avoid inhalation, ingestion and contact with skin and eyes. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation without suitable respiratory protection.

Notes to physician: Adrenaline and similar sympathomimetic drugs should be avoided following exposure as cardiac arrhythmia may result. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: 2X.

Suitable extinguishing media: Dry chemical, carbon dioxide (CO₂), foam or water spray.
Unsuitable media: Exercise caution when using a high volume water jet as it may scatter and spread fire.
Specific hazards: Non-combustible liquid; however, in use may form flammable/explosive vapour-air mixtures. Vapours are heavier than air and may accumulate in low-lying areas. Containers may explode in heat of fire.
Hazardous combustion products: Fire may produce irritating, toxic and/or corrosive gases, including hydrogen chloride, phosgene and carbon monoxide.
Protective Equipment: Wear positive-pressure self-contained breathing apparatus and chemical protective clothing.
Fire fighting further advice: Move containers from fire area if this can be done without risk. Cool containers with flooding quantities of water until well after fire is out. Contain runoff from fire control or dilution water – runoff may cause pollution.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Wear protective equipment to prevent skin and eye contamination. Avoid Inhalation of vapours. Absorb with sand, earth or other non-combustible absorbent material. Collect and seal in properly labelled containers for disposal.
LARGE SPILLS: Clear area of all unprotected personnel. Keep upwind and to higher ground. Ventilate closed spaces before entering. Eliminate all ignition sources. Prevent entry into drains, waterways, sewers, basements and confined areas. Dike far ahead of large spill for later disposal. If contamination of waterways, sewers or soil has occurred advise local emergency services.
Personal Precautionary Measures: Wear protective gloves/protective clothing/eye protection/face protection and suitable respirator (see Section 8).

7. HANDLING AND STORAGE

Handling: Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapours/aerosols and avoid contact with eyes, skin and clothing. Do not ingest. Do NOT enter confined spaces until atmosphere has been checked. Prevent concentration in hollows and sumps. Take action to prevent static discharges. Keep away from foodstuffs and incompatible materials (see Section 10).

Safety Data Sheet

- Storage:** Store in a cool, dry and well-ventilated place out of direct sunlight. Keep container tightly closed when not in use. Protect containers against physical damage and check regularly for leaks. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources – No smoking. Store locked up. Keep away from foodstuffs and incompatible materials (see Section 10).
- Container:** Keep in the original container or an approved compatible container. Do not store in aluminium containers. Empty containers retain product residue and can be hazardous. Do not reuse empty containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

Chemical	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Trichloromethane	2	10	—	—
Methyl chloride	50	103	100	207

As published by Safe Work Australia.

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Skin absorption may be a significant route of exposure.

Engineering Measures:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it controls emissions at the source. Use explosion-proof electrical/ventilating/lighting equipment where applicable.

Personal Protection Equipment:

SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES, RESPIRATOR.

Wear solvent-resistant gloves (recommended: PVC or Viton), chemical goggles or face shield, suitable protective clothing and an organic vapour respirator. Supplied-air type respirator or self-contained breathing apparatus may be required in some circumstances (refer to AS/NZS 1715 & AS/NZS 1716).

Hygiene measures:

Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Do not allow clothing wet with material to stay in contact with skin. Wash contaminated clothing and other protective equipment before storage or reuse. Ensure eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Clear-Pale-yellow
Odour:	Characteristic, perfume-like.
Solubility:	Partially soluble in water; propylene carbonate is water-soluble, methylene chloride has limited solubility (~2 g/100 g at 20°C)
Specific Gravity:	1.20
Relative Vapour Density (air=1):	>1
Vapour Pressure:	N Av
Flash Point (°C):	>600
Flammability Limits (%):	N App
Autoignition Temperature (°C):	N Av
Melting Point/Range (°C):	N Av
Boiling Point/Range (°C):	N Av
pH:	N App
Viscosity:	>20.5 mm ² /s @ 40 °C
Total VOC (g/Litre):	N Av

(Typical values only - consult specification sheet)

N Av = Not available, N App = Not applicable

Safety Data Sheet

10. STABILITY AND REACTIVITY

Chemical stability:

Stable under normal temperatures, storage conditions and recommended use.

Conditions to avoid:

Avoid exposure to sunlight, heat, hot surfaces, sparks, open flames and other ignition sources. Take action to prevent static discharges. Incompatible materials: Strong oxidisers; strong bases; caustics; chemically-active metals such as aluminium and magnesium powders; concentrated nitric acid; reducing agents; acids; peroxides. Material may attack some forms of plastic, rubber and coatings.

Hazardous decomposition products:

Decomposes on heating or burning and on contact with hot surfaces – may produce hydrogen chloride, phosgene and carbon monoxide, as well as carbon oxides.

Hazardous reactions:

Will not polymerise. Under certain conditions may form flammable vapour/air mixtures.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation:

Vapour exposure may cause dizziness, headache, drowsiness, poor concentration, respiratory irritation, central nervous system depression and, at high concentrations, unconsciousness or death.

Skin contact: Contact with skin will result in irritation. Prolonged or repeated contact may defat skin.

Ingestion: Harmful if swallowed. Swallowing may result in nausea, vomiting, gastrointestinal irritation and central nervous system depression. Aspiration into the lungs may cause chemical pneumonitis.

Eye contact: Causes serious eye irritation.

Acute toxicity

Inhalation:

Based on methylene chloride component, inhalation exposure presents the primary hazard. LC50 (rat, 4 h): 56–60 mg/L for methylene chloride source substance.

Skin contact: Acute dermal toxicity for methylene chloride source substance LD50 (rat) > 2,000 mg/kg bw.

Ingestion: Acute oral toxicity for methylene chloride source substance LD50 (rat) > 2,000 mg/kg bw.

Corrosion/Irritancy: Skin irritation Category 2; Eye irritation Category 2.

Aspiration hazard: No definitive blend data available; if swallowed the product may cause vomiting and aspiration hazard should be considered clinically.

Specific target organ toxicity (single exposure): Causes damage to organs and may cause drowsiness or dizziness. High vapour concentrations can affect the central nervous system, blood, liver, heart and lungs.

Chronic Toxicity

Mutagenicity:

Based on available data for source components, not classified as a mutagen.

Carcinogenicity:

Suspected of causing cancer (driven by methylene chloride component; IARC Group 2A noted in source SDS).

Reproductive toxicity (including via lactation):

Based on available data, not classified.

Specific target organ toxicity (repeat exposure):

Prolonged or repeated exposure may damage the central nervous system, liver and kidneys.

Safety Data Sheet

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: Blend not fully classified from available data; avoid release to the environment.

Ecotoxicity: For methylene chloride source substance: LC50 Fish (Fathead minnow) 193 mg/L (96 h); EC50 Daphnia magna 1,682 mg/L (48 h); IC50 Algae 660 mg/L (72 h).

Persistence and degradability: Methylene chloride source substance is reported as easily biodegradable; no full blend data available.

Bioaccumulative potential: Product is not expected to contain substances that significantly bioaccumulate based on source data.

Mobility: No blend data available

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protective equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

Dispose of contents/container in accordance with local, regional, national and international regulations. Recycle containers if possible, otherwise dispose of in an authorised landfill or incinerate in a suitable combustion chamber equipped with afterburner and scrubber, where permitted.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN Number:	1593
Proper Shipping Name:	DICHLOROMETHANE SOLUTION
Class:	6.1
Packing Group:	III
Hazchem code:	2Z
Not marine pollutant.	

Safety Data Sheet

15. REGULATORY INFORMATION

Classified under WHS Regulations 2020 (Australia) in accordance with GHS 7 / source SDS information for the component substances.

AICIS Status: Propylene carbonate and methylene chloride are listed on, or reported as compliant with, the Australian Inventory of Industrial Chemicals in the source SDS documentation.

Poisons Schedule (Aust): Schedule 5 (based on methylene chloride source SDS).

16. OTHER INFORMATION

Reason for issue: Revised

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 workplace. Since the company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, 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 needed 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 upon request.

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