

Safety Data Sheet

Hazardous, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **GALAXIE PU Dissolve**

Synonyms

GALAXIE PU Dissolve 20KG

Product Code

GALPUDIS20

Recommended use: Striping of resin from injection 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

2. HAZARDS IDENTIFICATION

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



Signal Word

Danger

Hazard Classifications

Flammable Liquids – Category 4
Skin Corrosion/Irritation – Category 2
Serious Eye Damage/Irritation – Category 2
Toxic to Reproduction – Category 1B
Specific Target Organ Toxicity (Single Exposure) – Category 3

Hazard Statements

H227 Combustible liquid.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H360D May damage the unborn child.

Prevention Precautionary Statements

P201 Obtain special instructions before use.
P271 Use only outdoors or in a well-ventilated area.
P261 Avoid breathing fumes/mists/vapours/spray.
P235 Keep cool.
P280 Wear protective gloves/protective clothing/eye protection/face protection and suitable respirator.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Response Precautionary Statements

P302 + P352	IF ON SKIN: Wash with plenty of water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical attention.
P312	Call a POISON CENTER or doctor if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical attention.
P337 + P313	If eye irritation persists: Get medical attention.
P370 + P378	In case of fire: Use carbon dioxide (CO ₂), dry chemical, foam or water mist.
P362 + P364	Take off contaminated clothing and wash 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: S6. Poison

DANGEROUS GOOD CLASSIFICATION

Not 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
N-methyl-2-pyrrolidone	872-50-4	>90 % (w/w)
Ingredients determined to be non-hazardous or below reporting limits		Balance
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

Skin Contact: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

Eye contact: Do not rub eyes! 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 flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

Ingestion: IF SWALLOWED: Rinse mouth, then drink a glass of water. Do NOT induce vomiting. Contact a Poisons Information Centre or doctor. Never give anything by mouth to an unconscious person.

Notes to physician: If exposed or concerned, get medical advice/attention. Treat symptomatically.

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*Most important symptoms and effects, both acute and delayed: Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May damage the unborn child.

5. FIRE FIGHTING MEASURES

General Measures If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal.

Flammability Conditions Combustible liquid; may burn but does not ignite readily.

Extinguishing Media Use dry chemical, Carbon dioxide (CO₂), foam or water spray for extinction. Do not scatter spilled material with high-pressure water streams.

Fire and Explosion Hazard Containers may explode when heated. Vapours can form an explosive mixture with air.

Hazardous Products of Combustion Fire may produce irritating and/or toxic gases, including Carbon oxides, Nitrogen oxides.

Special Fire Fighting Instructions Contain runoff from fire control or dilution water - Runoff may pollute waterways

Personal Protective Equipment Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Flash Point	92 °C [Closed cup]
Lower Explosion Limit	1.3 %
Upper Explosion Limit	9.5 %
Auto Ignition Temperature	245 °C
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid breathing mist/vapours and contact with eyes, skin and clothing.

Clean Up Procedures Pick up with sand or other non-combustible absorbent material and place into containers for later disposal (see SECTION 13).

*Never return spill or leaks to original containers for re-use

Containment Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far ahead of large spill for later disposal.

Decontamination Ventilate area and wash spill site after material pickup is complete.

Environmental Precautionary Measures Prevent entry into drains and waterways.

Evacuation Criteria Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

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 - Use only outdoors or in a well-ventilated area. Obtain special instructions before use - Do not handle until all safety precautions have been read and understood. Avoid breathing mist/vapours/spray and contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection and suitable respirator (see SECTION 8). Combustible liquid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Take precautionary measures against static discharges.

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Storage Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10). Store locked up.

*Storage place should be equipped with appropriate fire fighting equipment and leakage emergency equipment.

Container Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General For 1-Methyl-2-pyrrolidone (CAS No. 872-50-4):

Safe Work Australia Exposure Standard: TWA = 25 ppm (103 mg/m³); STEL = 75 ppm (309 mg/m³); Absorption through the skin may be a significant source of exposure (Sk).

New Zealand Workplace Exposure Standard [Adopted 2023]: TWA = 10 ppm (40 mg/m³); STEL = 20 ppm (80 mg/m³); Skin absorption (skin).

Exposure Limits No Data Available

Biological Limits No Data Available

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 can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment

Respiratory protection: Wear respiratory protection in case of inadequate ventilation, under conditions of frequent use or heavy exposure. Recommended: Organic vapour/particulate respirator or supplied-air respirator (refer to AS/NZS 1715 & 1716).

Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Primary protection chemical goggles with secondary protection face-shield.

Hand protection: Wear protective gloves. Recommended: Impervious gloves.

Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Wear anti-electrostatic clothing & boots.

Work Hygienic Practices Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous Liquid
Colour:	Amber-coloured
Odour:	Mild, Amine
pH	7.7 - 8.0 (10% soln.)
Vapour Pressure	0.345 mmHg (@ 25)
Relative Vapour Density	3.4 Air = 1
Boiling Point	202 °C
Freezing Point	-24 °C
Specific Gravity	1.03
Flash Point	92 °C [Closed cup]
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Molecular Weight	99.13 g/mol
Octanol Water Coefficient	-0.38
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Melting Point	-24 °C
Evaporation Rate	~0.03 (Butyl acetate = 1)

Product Name: GALAXIE PU Dissolve

Reference No: GALPUDIS

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Auto Ignition Temp	245 °C
Particle Size	No Data Available
Partition Coefficient	No Data Available
Net Propellant Weight	No Data Available
Solubility	Miscible with water
Additional Characteristics	Hygroscopic: absorbs moisture or water from surrounding air.
Potential for Dust Explosion	Not applicable.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No information available.
Properties That May Initiate or Contribute to Fire Intensity	Combustible liquid; may burn but does not ignite readily.
Reactions That Release Gases or Vapours	Fire/decomposition may produce irritating and/or toxic gases, including Carbon oxides, Nitrogen oxides.
Release of Invisible Flammable Vapours and Gases	Vapours can form an explosive mixture with air.

10. STABILITY AND REACTIVITY

General Information On exposure to air, Galaxie PU Dissolve is slowly oxidized with the formation of hydroperoxides; this process is accelerated by sunlight.

Chemical Stability This material is stable under recommended storage and handling conditions.
Conditions to Avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Take precautionary measures against static discharges.

Materials to Avoid Incompatible/reactive with strong oxidising agents, strong reducing agents, moisture

Hazardous Decomposition Products Fire/decomposition may produce irritating and/or toxic gases, including Carbon oxides, Nitrogen oxides.

Hazardous Polymerisation Will not occur.

11. TOXICOLOGICAL INFORMATION

General Information Information on toxicological effects:

Acute toxicity: Low acute toxicity.

Skin corrosion/irritation: Causes skin irritation.

Eye damage/irritation: Causes serious eye irritation.

Respiratory/skin sensitisation: No evidence of sensitisation [NICNAS].

Germ cell mutagenicity: Not considered to be genotoxic [NICNAS].

Carcinogenicity: No evidence of carcinogenicity [NICNAS].

Reproductive toxicity: May damage the unborn child. Developmental effects, including post implantation loss, foetal malformations and pup mortality, have been observed in rats, rabbits and mice following oral and/or dermal exposure [NICNAS].

STOT (single exposure): May cause respiratory irritation.

STOT (repeated exposure): Not considered to cause serious damage to health from repeated oral and/or dermal exposure [NICNAS]. In a 90 day repeated dose inhalation toxicity study in rats, the NOAEC for both systemic toxicity and local irritation was defined as 0.5 mg/L. Effects observed at higher concentrations (≥ 1.0 mg/L) included nasal irritation and crust formation, retardation in male body weight gain, changes in red cell parameters, an increase in polymorphonuclear neutrophils and a decrease in lymphocytes; After recovery, male rats showed a significantly reduced body weight gain and cellular depletion in the testes [NICNAS].

Aspiration toxicity: No information available.

Information on likely routes of exposure:

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Eye contact: Causes serious eye irritation.

Skin contact: Causes skin irritation.

Inhalation: May cause respiratory irritation. In confined or poorly ventilated areas, vapours can readily accumulate and can cause unconsciousness and death.

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Acute

Ingestion Acute toxicity (Oral):
 LD50, Rat: 3,914 mg/kg [Supplier's SDS].
 Other Acute toxicity (Dermal):
 LD50, Rat: 5,000 mg/kg [Supplier's SDS].
 Carcinogen Category None

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic toxicity:
 LC50, Fish (*Leuciscus idus*): >500 mg/l (96 h) [Supplier's SDS].
 LC50, Crustacea (*Daphnia magna*): >1,000 mg/l (24 h) [Supplier's SDS].
 EC50, Algae/aquatic plants (*Desmodesmus subspicatus*): >500 mg/l (72 h) [DIN 38412; Supplier's SDS].
 EC50, Bacteria (Activated sludge): >600 mg/l (0.5 h) [ISO 8192; Supplier's SDS].

Persistence/Degradability No information available.

Mobility No information available.

Environmental Fate Prevent entry into drains and waterways.

Bioaccumulation Potential No information available.

Environmental Impact No Data Available

13. DISPOSAL CONSIDERATIONS

General Information Dispose of contents/container in accordance with local/regional/national regulations.

Special Precautions for Land Fill Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code	
Proper Shipping Name	N-methyl-2-pyrrolidinone
Class	C1 Combustible Liquids - Flash Point >60°C - ≤93°C, Closed Cup
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport

IMDG Code	
Proper Shipping Name	N-methyl-2-pyrrolidinone
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport.

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Air Transport	
IATA DGR	
Proper Shipping Name	N-methyl-2-pyrrolidinone
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for AIR transport.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General Information N-METHYL-2-PYRROLIDONE
Poisons Schedule (Aust) 6

National/Regional Inventories

Australia (AIC) Listed
 Canada (DSL) Listed
 Canada (NDSL) Not Listed
 China (IECSC) Listed
 Europe (EINECS) 212-828-1
 Europe (REACH) Not Determined
 Japan (ENCS/METI) Listed
 Korea (KECI) Listed
 Malaysia (List of Classified Substances) Not Listed
 New Zealand (NZIoC) Listed
 Philippines (PICCS) Listed
 Taiwan (TCSI) Listed
 USA (TSCA) Listed
 Mexico (INSQ) Listed

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.