Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Date of Issue: 11 April 2018

Product Name: **Tuff-Solv; G-Sol**
Synonym(s): **TS5; TS20; TS200**

Product Use(s): Graffiti Remover.
Uses advised against: Use only for intended purposes.

Supplier Contact Details:
Ecospill Pty Ltd
ABN: 45 144 563 977
PO Box 5592 Brendale BC QLD 4500
Ph: 07 3881 0554
Web: www.ecospill.com.au

Emergency Contact Phone 0428 835 855 (24hrs) or Poisons Information 131126

Manufacturer
Eco Pro Australia Pty Ltd
42 Redcliffe Gardens Drive, Clontarf QLD 4019
+61 7 3283 4511

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: NOT CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS
Label Elements: No signal word, pictograms, hazard or precautionary statement have been allocated.
Other hazards: No information provided.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances / Mixtures

Ingredient	CAS Number	Classification	Content
DIMETHYL GLUTARATE	1119-40-0	Not Classified	60-100%
DIMETHYL SUCCINATE	106-65-0	Not Classified	10-30%
DIMETHYL ADIPATE	627-93-0	Not Classified	10-30%

The full text for all hazard statements is displayed in Section 16.

4. FIRST AID MEASURES

Description of First Aid Measures

General Information If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation No specific recommendations. If throat irritation or coughing persists, proceed as follows. If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.

Skin No specific recommendations. However if skin becomes irritated after contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if any discomfort continues.

Ingestion No specific recommendations. If throat irritation or coughing persists, proceed as follows: rinse mouth. Get medical attention if any discomfort continues. For advice, contact a Poison Information Centre

	on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, DO NOT induce vomiting.
First aid facilities	Eye wash facilities should be available.
Protection of First Aiders	Use protective equipment appropriate for surrounding materials.

Most important symptoms and affects, both acute and delayed:

General Information	Adverse health effects are not anticipated with normal use. However, the severity of the symptoms described will vary dependent on the concentration and length of exposure.
Inhalation	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin Contact	No specific symptoms known. May cause discomfort.
Eye Contact	No specific symptoms known. May be slightly irritating to eyes.
Immediate medical attention and special treatment:	Treat symptomatically. No special treatment required.

5. FIRE FIGHTING MEASURES

Extinguishing media:	This product is not flammable. Extinguish with alcohol-resistant foam, dry agent, carbon dioxide or water fog. Prevent contamination of drains and waterways.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards:	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products:	Thermal decomposition or combustion products may include the following substances: harmful gases or vapours.
Advice for firefighters:	Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Avoid breathing fire bases or vapours. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas. If a leak or spill has not ignited, use water spray to disperse vapours and protect persons stopping the leak.
Special protective firefighting equipment	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to AS/NZS 4967 (for clothing); AS/NZS 1801 (for helmets); AS/NZS 4821 (for protective boots); AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.
Hazchem code:	None allocated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	No specific recommendations. For personal protection, see section 8 of the SDS.
Environmental precautions:	Prevent product from entering drains and waterways.
Methods of cleaning up:	If spilt, collect and re-use where possible. Absorb spillage to prevent material damage. Use General Purpose or Chemical grade absorbent mats to clean up spillage that can't be recovered. Dispose of contents/container in accordance with national regulations.
Reference to other sections:	See sections 8 for personal protection. See section 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:	Read and follow manufacturer's recommendations. War protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment.
Advice on general occupational hygiene:	Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash it before reuse.
Condition for safe storage, including any incompatibilities:	No specific recommendations. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
Storage Class:	Unspecified storage.
Specific end use(s):	The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS / PROTECTION

Control parameters:
Occupational exposure limits:

Exposure Controls:
Protective Equipment

Engineering controls	No specific ventilation requirements.

PPE:

Eye/Face	Not required under normal conditions of use. Large spillages: eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hands	Not required under normal conditions of use. Large spillages: wear protective gloves.
Body	Not required under normal conditions of use. Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory	Not required under normal conditions of use. Provide adequate ventilation. Large spillages: if ventilation is inadequate, suitable respiratory protection must be worn.
Hygiene measures	Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Environmental exposure controls	Not regarded as dangerous for the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance	Pale Pink Coloured Liquid
Odour	Minimal / sweet odour
Flammability Limit	Lower flammable/explosive limit: 0.9 g/100g
Initial boiling point and range	196°C @ 101 kPa
Specific gravity	1.092
Flash point	100°C Not specified.
Vapour pressure	0.2mm Hg @ 20°C
Solubility Value (g/100g H20 20°C)	5.3 % water @ 20°C
Other information	None.

10. STABILITY AND REACTIVITY

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable under recommended conditions of storage. Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions:	No potentially hazardous reactions known.
Conditions to avoid:	There are no known conditions that are likely to result in a hazardous situation.
Incompatible materials:	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products:	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological Effects	**Information available for the product:** Not regarded as a health hazard under current legislation.
Acute toxicity - Oral	Based on available data the classification criteria are not met.
ATE Oral (mg/kg)	13,493.09
Acute toxicity – Dermal	Based on available data the classification criteria are not met.
Acute toxicity - Inhalation	Based on available data the classification criteria are not met.
Skin Corrosion / Irritation	Based on available data the classification criteria are not met.
Serious Eye Damage/Irritation	Based on available data the classification criteria are not met.
Respiratory Sensitisation	Based on available data the classification criteria are not met.
Skin Sensitisation	Based on available data the classification criteria are not met.
Mutagenicity	Based on available data the classification criteria are not met.
Carcinogenicity	Based on available data the classification criteria are not met.
IARC Carcinogenicity	None of the ingredients are listed or exempt.
Reproductive Toxicity - Fertility	Based on available data the classification criteria are not met.
Reproductive Toxicity - Development	Based on available data the classification criteria are not met.
STOT – single exposure	Not classified as causing organ damage from single exposure.
STOT – repeated exposure	Not classified as causing organ damage from repeated exposure.
Aspiration	Based on available data the classification criteria are not met.
General Information	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known. Spray / mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin Contact	No specific symptoms known. May cause discomfort.
Eye Contact	No specific symptoms known. May be slightly irritating to eyes.
Route of Entry	Ingestion Inhalation Skin and/or eye contact.
Target Organs	No specific target organs known.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not regarded as dangerous for the environment. However, large of frequent spills may have hazardous effects on the environment.
Toxicity	Based on available data the classification criteria are not met.
Persistence and degradability	The degradability of the product is not known.
Bioaccumulative potential	No data available on bioaccumulation.

Mobility in soil No data available.
Other adverse effects None known.

13. DISPOSAL CONSIDERATIONS

Waste Treatment methods
General Information The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.
Disposal Methods Dispose of surplus products and those than cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority. Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	None Allocated	None Allocated	None Allocated
Proper Shipping Name	None Allocated	None Allocated	None Allocated
Transport Hazard Class	None Allocated	None Allocated	None Allocated
Packing Group	None Allocated	None Allocated	None Allocated

Environmental hazards No information provided
Special precautions for user No information provided
Hazchem code None Allocated

15. REGULATORY INFORMATION

Safety health and environmental regulations / legislation specific for the substance or mixture
Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
Classifications Safety Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 (2004)].
Hazard codes None allocated.
Risk phrases None allocated.
Safety phrases None allocated.
Inventory listings **AUSTRALIA: AICS (Australian Inventory of Chemical Substances):** All components are listed on AICS, or are exempt.
EUROPE: EINECS (European Inventory of Existing Chemical Substances)
All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information: WORKPLACE CONTROLS AND PRACTICES:
Unless a less toxic chemical can be substituted for a hazardous substance, ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or

protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ):
Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Training Advice

Only trained personnel should use this material.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number – used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonised System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
Mg/m3	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
PPM	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia

TLV	Threshold Limit Value
TWA	Time Weighted Average

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[End of SDS]