

SAFETY DATA SHEET (SDS)


Gram decolouriser

Issue date: 22-07-2025

Section 1: Product Identifier and Chemical Identity

Product Identifier	
Product Name:	Gram decolouriser
Product Codes:	E6.30 acetone alcohol (decolouriser)
Other means of identification:	
Chemical formula, alternative names:	Acetone alcohol MV0151
Recommended use of the chemical and restrictions on use	
Recommended Use:	For laboratory use only.
Suppliers name, address and phone number	
Supplier's Name:	Southern Biological
Supplier's ABN:	94 630 703 810
Supplier's Address:	168 Fulham Road Alphington Victoria 3078 Australia
Supplier's Phone No.:	1300 138 561
Emergency Phone number (BH)	1300 138 561

Section 2: Hazard Identification

Classification of the Hazardous Chemical	
Hazard Category	Flammable liquids category 2 Serious eye damage/irritation category 2 Specific target organ toxicity (single exposure) category 3
Label elements	
Hazard Pictograms:	
Signal Word:	Danger
Hazard Statements:	Highly flammable liquid and vapour Causes serious eye irritation May cause drowsiness or dizziness Repeated exposure may cause skin dryness or cracking
Precautionary Statements:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not ingest. Use non-sparking tools. Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

Other Hazards	
Results of PBT and vPvB assessment:	PBT: Not applicable VPvB: Not applicable

Section 3: Composition/information on ingredients

Ingredients		
Name	CAS	Proportion %
Ethyl alcohol	64-17-5	70
Acetone	67-64-1	30

Section 4: First Aid Measures

Necessary first aid measures	
After inhalation:	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms; call a doctor. If not breathing, give artificial respiration.
After skin contact:	Wash with water and soap and rinse thoroughly for at least 15 minutes. If skin irritation occurs: Get medical advice/attention.
After eye contact:	Rinse cautiously with water for at least 15 minutes, lifting upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.
After swallowing:	Wash out mouth with water and drink plenty of water. Call a POISON CENTRE or doctor/physician if you feel unwell.
Symptoms caused by exposure	
Acute:	Difficulty in breathing. Inhalation of high vapour concentrations may cause symptoms such as headache, dizziness, tiredness, nausea and vomiting
Delayed:	Symptoms may be delayed.
Aggravated:	No data
Medical attention and special treatment	
Indications of any immediate medical attention and special treatment needed	Treat symptomatically

Section 5: Firefighting measures

Extinguishing media	
Suitable extinguishing equipment:	Water mist may be used to cool closed containers.
Specific hazards arising from the chemical:	Flammable. Containers may explode when heated. Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back.
Advice for firefighters	
Special protective equipment and precautions:	Do not enter the fire area without proper protective equipment including respiratory equipment.

Section 6: Accidental release measures

General Information	
Personal precautions, protective equipment and emergency procedures:	Use PPE as required. Remove all sources of ignition. Take precautionary measures against static discharges.
Environmental precautions:	Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if spill to sewers or public waters.
Methods and material for containment and cleaning up:	Dispose of contaminating material as waste according to item 13. Ensure adequate ventilation. Use spark-proof tools and explosion-proof equipment.
Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on protective equipment. See Section 13 for disposal information.

Section 7: Handling and Storage

General Information	
Precautions for safe handling:	Ensure good ventilation/exhaustion at the workplace. Wash hands after use. Do not eat, drink or smoke when using this product. Wash contaminated clothing and protective equipment prior to entering eating area.
Information about fire – and explosion protection:	Use only non-sparking tools. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.
Conditions for safe storage, including any incompatibilities.	
Storage:	Store in cool dry area out of direct sunlight and incompatible materials. Keep containers closed when not in use. Store in suitably labelled containers. Keep away from heat, sparks and flames.
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	Keep container tightly sealed. Keep out of direct sunlight.

Section 8: Exposure controls/personal protection.

General information			
Additional information about design of technical facilities:		No further data: see section 7	
Control parameters:			
Ingredients with limit values that require monitoring at the workplace:			
Name	STEL	TWA	
	mg/m ³ ppm	mg/m ³ ppm	Footnote
Ethyl alcohol		1880 1000	
Acetone	2375 1000	1185 500	
Additional information		The lists valid during the making were used as basis.	

Exposure Controls:	
General protective and hygienic measures:	Use only in systems, processes and procedures in which effective ventilation has been provided. Ensure that eyewash stations and safety showers are provided close to the workstation location. Use explosion-proof electrical/ventilation/lighting equipment. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with eyes.
Respiratory protection:	In case of significant exposure use respiratory filter device. Not normally required.
Clothing / Foot-wear and equipment	No special requirements.
Protection of hands:	PVC, rubber, nitrile or neoprene gloves
Eye protection:	Tightly sealed goggles
Skin protection:	Laboratory Coat

Section 9: Physical and chemical properties

Appearance:	
Form:	Liquid
Colour:	Clear colourless
Odour:	No information available
Odour Threshold:	No data available
pH value:	8.4
Change in Condition:	
Melting point/Melting range:	No data available
Boiling point/Boiling range:	Not determined
Flash point:	Not determined
Flammability (solid / gaseous)	Not determined
Ignition Temperature	
Decomposition temperature:	Not determined
Flash point:	No data available
Danger of explosion:	Not determined
Explosion limits	
Lower:	Not determined
Upper:	Not determined
Vapour pressure:	Not determined
Density:	Not determined
General Info	
Relative density:	Not determined
Vapour density:	Not determined

Evaporation rate:	Not determined
Solubility in/ Miscibility with water:	Soluble
Partition coefficient (n-octanol/water):	Ethyl alcohol: log Pow -0.32 Acetone: log Pow -0.24
Viscosity:	Not determined
Other information:	Not determined

Section 10: Stability and reactivity

Reactivity	
General	None known, based on information available
Chemical Stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Excess heat, incompatible products. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials:	None known
Hazardous decomposition products:	None under normal conditions of use

Section 11: Toxicological information

Information on toxicological effects	
Acute toxicity:	No acute toxicity information is available for this product
Skin corrosion/irritation	No data available
Serious eye damage/irritation:	Category 2
Inhalation:	No data available
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Specific target organ toxicity (STOT) – single exposure:	Category 3
Specific target organ toxicity (STOT) – repeated exposure:	No data available
Aspiration hazard:	No data available

Toxicology data for the components:			
Component	LD50 oral	LD50 dermal	LC50 inhalation
Ethyl alcohol	7060 mg/kg (rat)		20000 ppm/10H (rat)
Acetone	5800 mg/kg (rat)	> 15800 mg/kg (rabbit) > 7400 mg/kg (rat)	76 mg/L (rat) 4h

Section 12. Ecological information

Ecotoxicity				
Component	Freshwater fish	Water flea	Freshwater algae	Microtox
Ethyl alcohol	Fathead minnow (Pimephales promelas) LC50 = 14200 mb/L/96hr	EC50 = 9268 mg/L/48h EC50 = 10800 mg/L/24h	EC50 (72h) – 275 mg/L (Chlorella vulgaris)	Photobacterium phosphoreum EC50 = 34634 mg/L/30 min EC50 = 35470 mg/L/5 min
Acetone	Oncorhynchus mykiss LC50 > 5540 mg/L 96h Alburnus alburnus LC50 = 11000 mg/L 96h Leuciscus idus LC50 = 11300 mg/L 48h Salmo gairdneri LC50 = 6100 mg/L 24h	EC50 > 8800 mg/L 48h EC50 = 12700 mg/L 48h EC50 = 12600 mg/L 48h	NOEC = 430 mg/L 96h	EC50 = 14500 mg/L 15 min
Persistence and degradability:	Soluble in water. Persistence is unlikely, based on information available. Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants.			
Behaviour in environmental systems				
Bio-accumulative potential:	Bioaccumulation is unlikely			
Mobility:	The product is water soluble and may spread in water systems. Will likely be mobile in the environment due to its water solubility. Highly mobile in soils.			
Additional ecological information				
Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable			
Other adverse effects:	No further relevant information available.			

Section 13. Disposal Considerations

Waste treatment methods	
Waste from residues/unused products	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 federal, EPA, state and local regulations. Assure conformity with all applicable regulations.
Uncleaned packaging:	
Recommendation:	Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue (liquid and/or vapour) and can be dangerous. Keep product and empty container away from heat and sources of ignition.
Other information:	Chemical wastes should be disposed through a licensed commercial waste collection service. Waste codes should be assigned by the user based on the application for which the product was used. Do not flush to sewer. Can be landfilled or incinerated when in compliance with local laws.

Section 14. Transport information

General	UN number:	UN1993
	Proper shipping name:	Flammable liquid, n.o.s. technical name: Acetone, ethyl alcohol
	Transport hazard class:	3
	Packing group number:	II

Section 15. Regulatory Information

Safety health and environmental regulations/legislation specific for the substance or mixture	
Australian Inventory of Chemical Substances:	Substances are listed.
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

Section 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- End of SDS -