



Safety Data Sheet

Battery Terminal Cleaner

SECTION 1. IDENTIFICATION

Product Identifier	Battery Terminal Cleaner
Part number	TAUS425BTC
Product Family	Aqueous solution
Recommended Use	Cleaner.
Restrictions on Use	Hazardous Substance. Dangerous Goods: According to the criteria of NOHSC and the ADG Code.
Supplier Identifier	Wolfchester Australia Pty. Ltd. 4/122 Beresford Road Lilydale, Victoria Australia 3140 +613 9737 2800
Emergency Phone No.	Poisons Information Centre, 131126, Operation hours: 24/7

SECTION 2. HAZARD IDENTIFICATION

Classification

Gas under pressure - Compressed gas

Label Elements



Warning

Contains gas under pressure; may explode if heated.
Pressurized container: may burst if heated.

Protect from sunlight. Store in a well-ventilated place.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Petroleum gases, liquefied	68476-85-7	9-13		
Cocamphodipropionate	68604-71-7	1-5		

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Ammonium hydroxide	1336-21-6	0.5-1.5		
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SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If breathing has stopped, trained personnel should begin rescue breathing. Get medical attention immediately.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If skin irritation occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Drink two glasses of water. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Seek medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide or dry chemical.

Unsuitable Extinguishing Media

Do not use a direct stream of water.

Specific Hazards Arising from the Product

Contains gas under pressure; may explode if heated. Does not burn.

Carbon oxides, nitrogen oxides, and other unidentified organic compounds.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution, fight fire from a safe distance or a protected location.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Only use where there is adequate ventilation. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Containers of this material may contain hazardous residues when "emptied".

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Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated. Store at temperatures not exceeding: 40°C.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL [C]	TWA	Ceiling
Triethanolamine		1000 ppm A3		
Dipropylene glycol monomethyl ether	100 ppm Skin	150 ppm Skin		
Ammonium hydroxide	25 ppm	35 ppm	Not established	Not established

Appropriate Engineering Controls

Sufficient mechanical ventilation to maintain exposures below the TLV. Under normal conditions of use, general ventilation should be satisfactory. Local ventilation is recommended if the product is misted or used in a confined space or if the TLV is exceeded. Make up air should always be supplied to balance air exhausted. Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Safety glasses with side shields.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: polyvinyl chloride, butyl rubber.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear orange Aerosol.
Odour	Not available
Odour Threshold	Not available
pH	9.9
Melting Point/Freezing Point	Not available (melting)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Non-flammable aerosol
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.03 at 15 °C
Solubility	Very soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available

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Viscosity	< 14 centistokes at 40°C (kinematic)
Other Information	
VOC %	Not available
Flame projection	Not applicable
NFPA Classification	Aerosol, Level 1

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Stable at ambient temperatures and pressures.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

Hazardous Decomposition Products

Carbon oxides, nitrogen oxides (NOx). And other unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation;
Skin contact;
Eye contact;
Ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Triethanolamine	> 32380 ppm (male rat) (4-hour exposure)	7060 mg/kg (male rat)	> 15800 mg/kg (rabbit)
Sodium bicarbonate	> 4211 mg/m3 (rat) (4-hour exposure) (20% slurry in water)	4220 mg/kg (rat)	Not available
Dipropylene glycol monomethyl ether	Not available	5120 mg/kg (rat)	9480 mg/kg (rabbit)
Ammonium hydroxide	3670 ppm (rat) (4-hour exposure)	350 mg/kg (rat)	Not available

82% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (inhalation).

10% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral).

12% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (dermal).

Skin Corrosion/Irritation

There is limited evidence of mild irritation.

Serious Eye Damage/Irritation

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There is limited evidence of mild irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

At high concentrations nose and throat irritation.

Skin Absorption

Not known to cause toxicity if absorbed.

Ingestion

Not likely to cause injury.

If large amounts are swallowed irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer.

Not known to be a skin sensitizer.

Carcinogenicity

Chemical Name	ACGIH®	IARC	NTP	OSHA
Petroleum gases, liquefied	Not Listed	Not Listed	Not Listed	Not Listed
Triethanolamine	A3	Not evaluated	Not Listed	Not Listed
Sodium bicarbonate	Not Listed	Not evaluated	Not Listed	
Dipropylene glycol monomethyl ether	Not Listed	Not evaluated	Not Listed	

Not a carcinogen.

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. A3 = Animal carcinogen.

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

This section is not required by OSHA HCS 2012.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty containers retain product residue. Follow label warnings even if container appears to be empty. Do not puncture, incinerate or expose to heat when empty.

Dispose of in accordance with municipal, provincial/state or federal regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1950	Aerosols	2.2	---
IMDG (Marine)	UN1950	Aerosols	2.2	---

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IATA (Air)	UN1950	Aerosols, non-flammable	2.2	---
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Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Emergency Response 126 EmS F-D, S-U

Guide No.

Other Information ICAO/IATA PI Y203/203

Product may ship as LTD QTY if TDG, ICAO/IATA or IMDG Limited Quantity provisions are met.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

CERCLA. (Ammonium hydroxide)

SARA Title III - Section 302: Not applicable.

SARA Title III - Section 313: Not applicable.

California Proposition 65: Not applicable.

Massachusetts Right To Know: Not applicable.

New Jersey Right To Know. (Petroleum gases, liquefied). (Triethanolamine). (Dipropylene glycol monomethyl ether). (Ammonium hydroxide)

Pennsylvania Right To Know. (Petroleum gases, liquefied). (Triethanolamine). (Dipropylene glycol monomethyl ether). (Ammonium hydroxide)

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 0** **Flammability - 4** **Instability - 3**

SDS Prepared By Wolfchester Australia Pty. Ltd.

Phone No. 03 9737 2800

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Key to Abbreviations ACGIH® = American Conference of Governmental Hygienists
CANUTEC = Canadian Transport Emergency Centre
CAS = Chemical Abstract Service
CCOHS = Canadian Centre for Occupational Health & Safety
CNS = Central nervous system
GESTIS = GESTIS Substance Database
HSDB® = Hazardous Substances Data Bank
IARC = International Agency for Research on Cancer
ICAO = International Civil Aviation Organization
IMDG = International Maritime Dangerous Goods Code
LC = Lethal concentration
LD = Lethal dose
NFPA = National Fire Protection Association
NTP = National Toxicology Program

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OSHA = US Occupational Safety and Health Administration
PPM = Parts per million
RTECS® = Registry of Toxic Effects of Chemical Substances
STEL = Short term exposure limit
TDG = Transportation of Dangerous Goods Regulations (Canada)
TWA = Time weighted average

References

Material Safety Data Sheet from manufacturer.
CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).
Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).
ECHA - European Chemical Agency, Classification and Labelling Inventory
GESTIS Substance Database
OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.

Disclaimer

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