



Safety Data Sheet

Infosafe No™ 5GEVD Issue Date : April 2017 Status : ISSUED

Product Name **A+ Electrical Contact Cleaner**

Classified as hazardous

1. Identification

GHS Product Identifier A+ Electrical Contact Cleaner
Product Code RT620A
Company Name SuperCool Asia Pacific Pty Ltd (ABN 71 011 044 385)
Address 14 Motorway Circuit Ormeau
QLD 4208 Australia
Telephone/Fax Number Tel: (07) 5549-4000
Fax: (07) 5549-4044
Emergency phone number (07) 5549-4000 (Mon-Fri; 8:30-4:30 AEST)
Recommended use of the chemical and restrictions on use Aerosol solvent.

2. Hazard Identification

GHS classification of the substance/mixture Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Gases under Pressure: Compressed Gas
Signal Word (s) WARNING
Hazard Statement (s) Contains gas under pressure; may explode if heated.
Pictogram (s) Gas cylinder



Precautionary statement – Storage Protect from sunlight. Store in a well-ventilated place.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	1,1,1,3,3 Pentafluoropropane	460-73-1	>50 %
	1,1,1,2 Tetrafluoroethane	811-97-2	10-<30 %
	Other ingredients determined not to be hazardous		

4. First-aid measures

Inhalation Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable clothing. Keep at rest until fully recovered. Seek medical assistance if effects persist.

Ingestion Seek immediate medical assistance.
Unlikely to be a route of exposure due to high evaporation rate. However, rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For freeze burns, immediately flood burnt area with plenty of warm water (40 - 44 °C) and cover with a clean, dry dressing.



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Eye contact Seek immediate medical assistance.
If in eyes wash out immediately and wash out with water. In all cases of eye contamination it is a sensible precaution to seek medical advice. For freeze burns, immediately flood burnt area with plenty of warm water (40 - 44 °C) for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical care.

Advice to Doctor Treat syptomatically.

5. Fire-fighting measures

Suitable extinguishing media Not combustibile, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Hazards from Combustion Products Heating can cause expansion or decomposition leading to violent rupture of containers. On decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Hazchem Code 2YE

Other Information Non combustibile material.

6. Accidental release measures

Spills & Disposal If safe, cut off source of leak. If release is large, cut off all ignition sources and evacuate all non-essential personnel from the area. If possible, ventilate the area. If the incident is significant seek immediate assistance from local fire authorities and police. If possible monitor the vapour concentration until dissipated.

Environmental Precautions Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling Avoid prolonged or repeated contact with skin, eyes and clothing . Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet
Avid skin and eye contact and inhalation of vapour.

Conditions for safe storage, including any incompatibilities Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.
This material is classified as a Dangerous Good Class 2.2 Non Flammable, Non Toxic Gas as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure standard has been established for this product.
However: TWA for 1,1,1,2 Tetrafluoroethane is 1000ppm (4,240 mg/m3). As published by Safe Work Australia.

Biological Limit Values None allocated.

Appropriate engineering controls Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. An asphyxiant gas, which can lead to the reduction of oxygen concentration by displacement or dilution. The minimum oxygen content in air should be 18% by volume under normal atmospheric pressure. Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Eye Protection Safety glasses, goggles or faceshield as appropriate.

Hand Protection Chemically resistant gloves.

Personal Protective Equipment OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.
Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from polyvinyl chloride (PVC) should be suitable for



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intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation of exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Body Protection Overall or similar protective apparel.

Hygiene Measures Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Form	Aerosol
Appearance	Clear colourless gas with characteristic odour
Melting Point	NA
Boiling Point	>15
Solubility in Water	Insoluble in water
Specific Gravity	1.31 (approx)
Vapour Pressure	60-70 psia
Vapour Density (Air=1)	>1
Volatile Component	200 g/L VOC
Auto-Ignition Temperature	NA

10. Stability and reactivity

Chemical Stability	Stable under normal conditions. This material is thermally stable when stored and used as directed
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Possibility of hazardous reactions	None known.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology 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 Toxicity - Oral	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg.
Acute Toxicity - Dermal	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg.
Acute Toxicity - Inhalation	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L.
Ingestion	Unlikely route of exposure. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Inhalation	Material may be an irritant to mucous membranes and respiratory tract. An asphyxiant; exposure to high concentrations can cause suffocation.



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Skin	Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Liquid splashes or spray may cause freeze burns.
Eye	May be eye irritant. Liquid splashes or spray may cause freeze burns to the eye.
Respiratory sensitisation	This material has been classified as not a respiratory sensitiser.
Skin Sensitisation	This material has been classified as not a skin sensitiser.
Germ cell mutagenicity	This material has been classified as non-hazardous.
Carcinogenicity	This material has been classified as non-hazardous.
Reproductive Toxicity	This material has been classified as non-hazardous.
STOT-repeated exposure	This material has been classified as non-hazardous.
Chronic Effects	Overexposure may cause nervous system damage, lung damage and kidney damage.
Mutagenicity	This material has been classified as non-hazardous.

12. Ecological information

Ecological Information	Keep product out of sewers and waterways. This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 100 mg/L.
Persistence and degradability	No information available.
Mobility	No information available.
Bioaccumulative Potential	Risk of bioaccumulation in an aquatic species is low.

13. Disposal considerations

Disposal Considerations	Dispose of waste according to federal, EPA, state and local regulations. Persons conducting disposal, recycling and reclamation activities should ensure appropriate personal protective equipment is used, see 'Section 8. Exposure Controls and Personal Protection' of this SDS. If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international regulations.
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14. Transport information

U.N. Number	1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.2
Hazchem Code	2YE
EPG Number	2D1
IERG Number	49
Other Information	MARINE TRANSPORT Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. UN No: 1950 Dangerous Goods Class: 2.2 Packing Group: Not allocated Proper Shipping Name: AEROSOLS AIR TRANSPORT Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



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UN No: 1950
Dangerous Goods Class: 2.2
Packing Group: Not allocated
Proper Shipping Name: AEROSOLS

15. Regulatory information

Poisons Schedule Not Scheduled
AICS (Australia) All ingredients listed.
Other Information This material is not subject to the following international agreements:
Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

16. Other Information

Literature References Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Globally Harmonised System of classification and labelling of chemicals. Raw material supplier SDS.

Other Information Issue: 2
Reason for revision: Regular review
DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.
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 SuperCool Asia Pacific Pty Ltd 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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