

## 1 Identification

**Product Name:** DEOXIT®, D5S-6, 5% SPRAY, 142G

**Other Means of Identification:** Mixture

**Other Name:** DeoxIT®, D5MS-15, 5% Spray, 14g

**Recommended Use of the Chemical and Restriction on Use:**

Deoxidise and improve electrical contacts and connectors.

**Details of Manufacturer or Importer:**

Connetics Pty Ltd T/as Caprina

5/562 Gardeners Road

Alexandria, NSW 2015

Australia

**Phone Number:** 02 8339 1222

**Emergency telephone number:** 0419 425 927

## 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Flame

Aerosol 1                      H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



Health hazard

Aspiration Hazard 1 H304                      May be fatal if swallowed and enters airways.

**Signal Word** Danger

**Hazard Statements**

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H304                      May be fatal if swallowed and enters airways.

**Precautionary Statements**

P210                      Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211                      Do not spray on an open flame or other ignition source.

P251                      Do not pierce or burn, even after use.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331                      Do NOT induce vomiting.

P405                      Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501                      Dispose of contents/container in accordance with local/regional/national regulations.

## 3 Composition and Information on Ingredients

**Chemical Characterization:** Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

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<b>Hazardous Components:</b>		
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light ⚠ Aspiration Hazard 1, H304	≤70%
CAS: 75-37-6	Ethane, 1,1-difluoro- ⚠ Flammable Gases 1, H220; ⚠ Press. Gas L, H280	≤30%

**Additional information:** DeoxIT® D-Series, D100L - ≤ 7% - Trade secret

### 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms persist.

**Eye Contact:**

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:**

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Give plenty of water or milk to drink immediately. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

**Symptoms Caused by Exposure:**

**Inhalation:** May cause respiratory irritation, drowsiness, dizziness, headaches, and nausea.

**Skin Contact:** May cause skin irritation, rash, and dermatitis. May cause a frostbite-like effect on the skin if directly applied.

**Eye Contact:** May cause eye irritation, redness, itching, and watering.

**Ingestion:** May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Vomiting may cause aspiration of material into the lungs and chronic pulmonary oedema (chemical pneumonia).

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a solid water stream.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, various hydrocarbons, and hydrogen fluoride.

Product is extremely flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat, and aerosols may be projectile hazards when bursting. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting measures entering drains or water courses.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear appropriate personal protective equipment. Evacuate all non-essential personnel from affected area. Do not breathe aerosols. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking. Spilled area may be slippery.

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**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

## 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of aerosols. Use only outdoors or in a well-ventilated area. Ensure care is taken to avoid puncturing. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Store below 50 °C. Keep away from oxidising agents. Do not cut, drill, grind, weld, or perform similar operations on or near such containers.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 16984-48-8 Fluoride**

WES	TWA: 2.5 mg/m <sup>3</sup> as F
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**Engineering Controls:**

Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

**Respiratory Protection:**

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Chemical resistant gloves when handling large quantities. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Safety glasses when handling large quantities. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Aerosol
<b>Colour:</b>	Light red
<b>Odour:</b>	Ethereal hydrocarbon odour

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<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	171.1-204 °C
<b>Flash Point:</b>	48.8-54.4 °C
<b>Flammability:</b>	Extremely flammable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Relative Density:</b>	0.78
<b>Vapour Density:</b>	4.9 (air = 1)
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Insoluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	10 cPs

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:**

Stable at ambient temperature and under normal conditions of storage and use. unstable with heat or contamination.

**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight. Keep below 50 °C.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition Products:** Oxides of carbon, various hydrocarbons, and hydrogen fluoride.

## 11 Toxicological Information

**Toxicity:**

**LD50/LC50 Values:**

**CAS: 64742-47-8 Distillates (petroleum), hydrotreated light**

Oral	LD50	2,000-4,000 mg/kg (rat)
		2,000-4,000 mg/kg (rabbit)
Inhalation	LC50/4 h	5.2 mg/l (rat)

**CAS: 75-37-6 Ethane, 1,1-difluoro-**

Inhalation	LC50/4 h	977 mg/l (mouse)
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**Acute Health Effects**

**Inhalation:** May cause respiratory irritation, drowsiness, dizziness, headaches, and nausea.

**Skin:**

May cause skin irritation, rash, and dermatitis. May cause a frostbite-like effect on the skin if directly applied.

**Eye:** May cause eye irritation, redness, itching, and watering.

**Ingestion:**

May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Vomiting may cause aspiration of material into the lungs and chronic pulmonary oedema (chemical pneumonia).

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

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**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.**Chronic Health Effects:**

May trigger asthma-like symptoms in some individuals. May induce skin sensitisation and respiratory hypersensitivity.

**Existing Conditions Aggravated by Exposure:**

Pre-existing dermatitis and other skin conditions, and disorders of the eyes and respiratory tract.

## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**CAS: 64742-47-8 Distillates (petroleum), hydrotreated light**

EC50/48 h 1.4 mg/l (daphnia magna)

EC50/72 h 1 mg/l (pseudokirchneriella subcapitata)

LC50/96 h 25 mg/l (rainbow trout)

**Persistence and Degradability:** No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

## 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport Information

**UN Number****ADG, IMDG, IATA**

UN1950

**Proper Shipping Name****ADG, IMDG, IATA**

AEROSOLS

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**Dangerous Goods Class**

<b>ADG Class:</b>	2.1
<b>Packing Group:</b>	N/A
<b>Marine pollutant:</b>	No
<b>EMS Number:</b>	F-D,S-U
<b>Special Provisions:</b>	63, 190, 277, 327, 344, 381
<b>Excepted quantities (EQ):</b>	E0
<b>Limited Quantities:</b>	1L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P207, LP200
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	PP87, L2

## 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

CAS: 64742-47-8	Distillates (petroleum), hydrotreated light
CAS: 75-37-6	Ethane, 1,1-difluoro-

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:**  
Poisons Schedule: 5

## 16 Other Information

**Date of Preparation or Last Revision:** 02.08.2022**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 IARC: International Agency for Research on Cancer  
 STEL: Short Term Exposure Limit  
 TWA: Time Weighted Average  
 NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)  
 Flammable Gases 1: Flammable gases – Category 1  
 Aerosol 1: Aerosols – Category 1  
 Press. Gas L: Gases under pressure – Liquefied gas  
 Aspiration Hazard 1: Aspiration hazard – Category 1

**Data altered compared to the previous version:**

Section 2: Hazardous Nature, Section 3: Hazardous Components, Section 8: Exposure Standards, Section 9

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020"

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