

Section 1 - Identification of the Material and Supplier

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Chemical nature: Antimicrobial Filter Treatment
Trade Name: Coil Defender Filter Treatment Aerosol
Product Code: CD008
Product Use: Suitable for use as a protective and antimicrobial coating for all A/C applications + substrates. In-situ, including OEM application
Creation Date: **April 2017**
This version issued: **1st NOV 2021** and is valid for 5 years from this date.
Poisons Information Centre: **Phone 13 1126 from anywhere in Australia**

Section 2 - Hazards Identification

Statement of Hazardous Nature: This product is classified as: N, Dangerous to the environment. F, Flammable. Hazardous according to the criteria of SWA.

Risk Phrases: Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria. R10, R66, R67, R51/53. Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment.

Safety Phrases: S16, S23, S36, S51, S61, S62, S24/25. Keep away from sources of ignition - No smoking. Do not breathe vapours or spray mists. Wear suitable protective clothing. Use only in well ventilated areas. Avoid release to the environment. Refer to special instructions/Safety Data Sheets. If swallowed, do not induce vomiting: seek medical advice immediately and show this SDS. Avoid contact with skin and eyes.

SUSMP Classification: None allocated.
ADG Classification: Class 2.1
UN Numb UN 1950 (Aerosols, Flammable)



GHS Signal word: WARNING

HAZARD STATEMENT: H226: Flammable liquid and vapour.
AUH066: Repeated exposure may cause skin dryness or cracking.
H336: May cause drowsiness or dizziness.

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PREVENTION	H411: Toxic to aquatic life with long lasting effects.
	P102: Keep out of reach of children.
	P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
	P233: Keep container tightly closed.
	P262: Do not get in eyes, on skin, or on clothing.
RESPONSE	P273: Avoid release to the environment.
	P281: Use personal protective equipment as required.
	P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
	P391: Collect spillage.
STORAGE	P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used.
	P402+P404: Store in a dry place. Store in a closed container.
DISPOSAL	P403+P235: Store in a well-ventilated place. Keep cool.
	P501: If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Emergency Overview

Physical Description & Colour:	Clear to light tinted alcoholic liquid
Odour:	Mild, characteristic odour.
Major Health Hazards:	Flammable liquid

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Pigments	various	0.05-0.1%	not set	not set
Ethanol	64-17-5	50-70%	not set	not set
Denaturant	67-56-1	<10%	not set	not set
Hydrophobic additive	8015-86-9	<3.0%	not set	not set
Synthetic polymer resins (Proprietary Blend)	9003-01-4	0-20%	not set	not set
Propellant mixture (Class 2.2)	7727-37-9	0-20%	not set	not set
Water	7732-18-5	1-10%	not set	not set
Other nonhazardous ingredients	Various	to 100%	not set	not set
Silver Ion Food Grade antimicrobial complex	3380-34-5	< 0.5%	not set	not set
Antimicrobial complex UN:1760	N/A	<0.1%	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other nonhazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

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Ventilation:	This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Eye Protection:	Eye protection such as protective glasses or goggles is recommended when this product is being used.
Skin Protection:	The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.
Protective Material Types:	We suggest that protective clothing be made from the following materials: rubber, PVC.
Respirator:	Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Clear to lightly tinted alcoholic liquid
Odour:	Mild, characteristic odour.
Boiling Point:	Not available
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	Water, ethanol component.
Vapour Pressure:	< 58.1 mbar
Vapour Density:	As for water.
Specific Gravity:	< 1.000g/cm ³ (Water =1)
Water Solubility:	Fully water miscible.
pH:	Not Available
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	As for water
Co-eff Oil/water Distribution:	No data
Auto-ignition temp:	Not available

Section 10 - Stability and Reactivity

Reactivity:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid:	Keep containers tightly closed.
Incompatibilities:	Oxidising agents.
Fire Decomposition:	This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Polymerisation:	This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Local Effects:	
Target Organs:	There is no data to hand indicating any particular target organs.

Potential Health Effects

Inhalation:	Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation. Long Term Exposure: No data for health effects associated with long term inhalation.
Skin Contact:	Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases. Long Term Exposure: No data for health effects associated with long term skin exposure.
Eye Contact:	Short Term Exposure: This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.

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Ingestion:	Long Term Exposure: No data for health effects associated with long term eye exposure.
	Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.
Carcinogen Status:	Long Term Exposure: No data for health effects associated with long term ingestion.
	SWA: No significant ingredient is classified as carcinogenic by SWA.
	NTP: No significant ingredient is classified as carcinogenic by NTP.
	IARC: No significant ingredient is classified as carcinogenic by IARC.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.	

Section 12 - Ecological Information

Insufficient data to be sure of status

Section 13 - Disposal Considerations

Disposal:	Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.
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Section 14 - Transport Information

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

UN Number:	UN1950 (Aerosols, Flammable)
Hazchem Code	2YE
Hazard Class	2.1
US DOT Information:	Proper shipping name: Aerosols, Flammable
IATA:	Proper shipping name: Aerosols, Flammable
IMO:	Proper shipping name: Aerosols, Flammable
Dangerous Goods Class:	Class 2.1 (Aerosols, Flammable)
Packaging Group:	Not Applicable
Packaging Method:	P001, IBC03, LP01
Special Provisions:	163, 223
Limited quantities:	ADG 7 specifies a Limited Quantity value of 5 L for this class of product

2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances, except Flammable Liquid is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Non-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Toxic Substances, where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

Section 15 - Regulatory Information

AICS:	All of the significant ingredients in this formulation are compliant with NICNAS regulations.
Cas Number	None Allocated/Mixture
Hazchem code	2[Y]E

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Poisons Schedule Classification	Not Hazardous according to criteria of NOHSC
DG	According to criteria of the Australian DG Code
Other Information	Coil Defender-Treatment is classified as a DG and Flammable liquid

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2016)

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