

COIL & DUCT DEODORISER DISINFECTANT

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Coil & Duct Spray	HMIS CODES	Health	1
PRODUCT CODES	R-CDD/1, R-CDD/5, R-CDD/20	Flammability		0
CHEMICAL FAMILY	Organic/Inorganic	Reactivity		0
USE	Deodoriser/Disinfectant	PPI		B
MANUFACTURER'S NAME	Greenleaf Solutions Ltd	EMERGENCY TELEPHONE NO.	Poisons Information Centre	
	PO Box 64-125		New Zealand	0800-764-766
	Botany, Auckland NZ 1703		Australia	13-1126
DATE OF PREPARATION	15 th December, 2004	TECHNICAL SERVICE TELEPHONE NO.	0061-9-530 9550	

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS
0.3	Mixture	-dimethyl benzyl ammonium chloride	
		ACGIH TLV	N/D
		OSHA PEL	N/D

Section 3 -- HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS

Irritation to eyes, nose, and throat; drowsiness, narcosis, tremors, and other CNS effects at high concentrations. Skin irritation, dermatitis, and defatting.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Nasal and respiratory irritation, dizziness, narcosis, headache, nausea, CNS depression, and unconsciousness.

EYE CONTACT

Watering, blurred vision, inflammation, and irritation which can result in corneal injury.

SKIN CONTACT

Irritation, dermatitis.

INGESTION

Nausea, vomiting; CNS depression; irritation of gastrointestinal tract, liver and peritoneal wall; lung congestion.

SUMMARY OF CHRONIC HAZARDS

Skin irritation, contact dermatitis, and defatting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

Section 4 -- FIRST AID MEASURES

If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

If on SKIN: Immediately wash with soap and water. Remove and wash any contaminated clothing.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.

If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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 Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
None	N/D	N/D

EXTINGUISHING MEDIA

Non-flammable. Use agents appropriate for surrounding fires.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained full face piece breathing apparatus and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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 Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

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 Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames.
 OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers.

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 Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators during soldering operations until fumes have dissipated.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: Explosion proof

MECHANICAL (GENERAL): Acceptable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

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 Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	>212 F (100 C) @ 760mm Hg
SPECIFIC GRAVITY (H2O = 1):	1.04
VAPOR PRESSURE (mm Hg):	N/D
MELTING POINT:	N/A
VAPOR DENSITY (AIR = 1):	<1
EVAPORATION RATE (ETHYL ACETATE = 1):	>1
APPEARANCE/ODOR:	Clear Liquid / Eucalyptus Odour
SOLUBILITY IN WATER:	Soluble

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 Section 10 -- STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None
 INCOMPATIBILITY (MATERIALS TO AVOID): Heat, sparks and open flames.
 HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO, and fragmented hydrocarbons.
 HAZARDOUS POLYMERIZATION: Will not occur.

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 Section 11 -- TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS
 No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

 TOXICOLOGY DATA
 Ingredient Name

 -dimethyl benzyl ammonium chloride
 Oral-Rat LD50:240 mg/kg
 Inhalation-Rat LC50:N/D

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 Section 12 -- Ecological Information

ECOLOGICAL DATA
 Ingredient Name

 -dimethyl benzyl ammonium chloride
 Food Chain Concentration Potential None
 WATERFOWL TOXICITY None
 BOD None
 AQUATIC TOXICITY None

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 Section 13 -- DISPOSAL CONSIDERATIONS

Waste Classification: Non-regulated liquid waste.
 Disposal Method: Dispose of in accordance with local, state and federal regulations.

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 Section 14 -- TRANSPORTATION INFORMATION

DOT: Non-regulated
 OCEAN (IMDG): Non-regulated
 AIR (IATA): Non-regulated
 WHMIS (CANADA): Non-regulated

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 Section 15 -- REGULATORY INFORMATION

REGULATORY DATA
 Ingredient Name

 -dimethyl benzyl ammonium chloride
 SARA 313 No
 TSCA Inventory Yes
 CERCLA RQ N/A
 RCRA Code N/A

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 Section 16 -- OTHER INFORMATION

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.