SAFETY DATA SHEET
AGMAX V-Cide

SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: V-Cide
UN NUMBER: Not Regulated
PRODUCT USE: Disinfectant

SUPPLIER: Agmax Industries Limited, 63b Allens Road, East Tamaki, 2013, Auckland
Telephone: +64 9 271 5290

24 H Emergency Contact: 0800 243 622 (24 Hours)
Website: www.agmax.co.nz

Email: info@agmax.co.nz

SECTION 2 : HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001
Not classified as Dangerous goods under NZS 5433

HSNO Classification:

6.1E Acute toxicity (Oral)
6.1D Acute Toxicity (Inhalation)
6.1E Acute Toxicity (Dermal)
6.3A Skin Irritation
8.3A Serious Eye Damage
9.1D Aquatic toxicity (Acute or Chronic)

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Prevention Statements:

P102 Keep out of reach of children

P103 Read label before use

P261 Avoid breathing dust /mist/Fume/gas/vapours/spray

P264 Wash hands thoroughly after handling

P271 Use only outdoors or in a well-ventilated area

P273 Avoid release into the environment.

P280 Wear protective gloves and clothing

Response Statements:

P101	If medical advice is needed, have product container or label at hand
P304+P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do not induce vomiting
P322	Specific measures (see First Aid section on the label)
P363	Wash contaminated clothing before re-use
P390+P391	Absorb/ Collect spillage
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313	If eye irritation persists: Get medical advice / attention
P391	Collect spillage

Storage statements:

Disposal Statement:

P501	Dispose of empty containers safely in accordance with local regulations

SECTION 3 : COMPOSITION

Ingredient	CAS Number	Proportion
Pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8	40-55 %
Sodium Dodecyl Benzene Sulfonate	68081-81-2	10-12 %
Malic Acid	6915-15-7	7-10 %
Sulphamic Acid	5329-14-6	4-6 %
C14/C16-alpha olefin sulphonate sodium salt	68439-57-6	4-6%
Dipotassium peroxodisulphate	7727-21-1	<3%
Dipentene	138-86-3	<0.6%

SECTION 4 : FIRST AID MEASURES

Never administer anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt seek medical advice.

Eyes: Flush with cold water immediately for at least 15 minutes. Seek medical advice.

Skin: Wash skin well with plenty of water. Remove & wash Contaminated clothing before re-use. Consult a physician if necessary.

Ingestion: Do NOT induce vomiting. Drink plenty of water to dilute. Contact a doctor or Poisons Information Centre (0800 POISON – 0800 764 766).

Inhalation: Remove from exposure to fresh air, lie down. If victim has stopped breathing: Artificial respiration and/or oxygen may be necessary. Consult a physician.

Advice to Doctor: No Information available

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point: Not applicable
Flammable Limits: Not flammable.
Extinguishing Media: Water spray/fog, dry chemical, foam

Fire & Explosion Hazards: The product itself does not burn, use extinguishing measures appropriate to the circumstances and environment.

Decomposition Products:	In the event of fire the following can be released: Oxygen, Chlorine, Sulphur Oxides, Sulphur Dioxide, Hypochlorite
Hazardous reactions:	N/D
Materials to avoid:	Not applicable
Fire Fighting:	Wear protective clothing and self-contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spills: Use appropriate protective clothing and equipment.

Large spills: Sweep up and shovel into suitable containers for disposal. Avoid dust formation and moisture. Rinse area with water.

SECTION 7 : HANDLING AND STORAGE

Handling: Avoid dust formation in confined areas. Avoid inhaling dust or spray mist. Avoid eye & skin contact. After work, remove protective clothing and equipment, wash hands before eating, drinking, smoking or using toilet. Wash clothing after use.

Storage: Store in tightly closed original container in a cool, dry, well-ventilated and secure area when not in use. Do not store with combustible material or strong Alkalis.

Keep out of reach of children.

SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines:

Chemical Name	Occupational Exposure Limits	Regulation
Dust (inhalable and respirable fraction)		
TWA	3 mg/m3 (Respirable dust.)	NZ OEL (07 2011)
TWA	10 mg/m3 (Inhalable dust.)	NZ OEL (07 2011)
TWA	10 mg/m3 (Inhalable particles.)	US ACGIH (03 2012)
TWA	3 mg/m3 (Respirable particles.)	US ACGIH (03 2012)
Dipotassium peroxodisulphate		
TWA (as persulfate)	0.1 mg/m3	US ACGIH (20

Engineering Controls:	Provide extraction when handling in bulk.
Respiratory Protection:	Ensure adequate ventilation, in case of insufficient wear appropriate half mask with combination filter A2/P2 (EN 141) – consult with respirator manufacturer to determine appropriate type of equipment for a given application and observe limitations as specified by said manufacturer.
Skin Protection:	Wear as appropriate overalls, Apron, Boots and chemical-resistant gloves while mixing or spraying. Wash contaminated items before use.
Eye Protection:	Wear tight fitting safety goggles complying with EN 166.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid Pink Powder
Boiling Point:	No Information Available
Freezing Point:	No Information Available
Density:	1070g/L @ 25°C
Flash Point:	No Information Available
pH:	2-3 (1% solution in water)
Vapour Pressure:	No Information Available
Corrosion:	Corrosive Acid
Oxidisation:	Not an oxidiser
Solubility:	65 g/l @ 20 Deg C

SECTION 10 : STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Incompatibility:	Avoid Alkali's, Combustible material, Halogenated Compounds, Heavy Metal Salts
Hazardous Decomposition Products:	Oxygen, Chlorine, Sulphur Oxides, Sulphur Dioxide, Hypochlorite and silicon.

SECTION 11 : TOXOLOGICAL INFORMATION

Acute toxicity

Oral	LD50/Rat: 4,123 mg/kg Method: OECD Test Guideline 401 (Data based on Similar/ Like product)

Inhalation	LC50/4 h/Rat: 3.7 mg/l Method: aerosol (Data based on Similar/ Like product)
Dermal	LD50/Rat: >2,200 mg/kg (Data based on Similar/ Like product)
Skin corrosion/irritation	Result: Irritating to skin. Method: OECD Test Guideline 404 (Data based on Similar/ Like product)
Serious eye damage/eye irritation	
Pentapotassium bis(peroxymonosulphate) bis(sulphate)	Species: Rabbit Result: Corrosive Classification: Causes severe burns. Information given is based on data obtained from similar substances.
Malic acid	Species: Rabbit Result: Severe eye irritation Classification: Irritating to eyes. Information given is based on data obtained from similar substances.
Sulphamic acid	Species: Rabbit Result: Eye irritation Classification: Irritating to eyes. Information given is based on data obtained from similar substances.
Dipotassium peroxodisulphate	Species: Rabbit Result: Eye irritation Classification: Irritating to eyes. Method: OECD Test Guideline 405 Information given is based on data obtained from similar substances.
Dipentene	Species: Rabbit Result: Eye irritation Respiratory or skin sensitisation

Sodium Dodecyl Benzene Sulfonate	Species: Rabbit Result: Eye irritation Respiratory or skin sensitisation
C14/C16-alpha olefin sulphonate sodium salt	Species: Rabbit Result: Severe eye irritation Classification: Irritating to eyes. Information given is based on data obtained from similar substances.
Respiratory or skin sensitisation	Buehler Test Species: Guinea pig Result: Does not cause skin sensitisation. Result: Does not cause respiratory sensitisation. (Data based on Similar/ Like product)
Germ cell mutagenicity	Individual Components have not shown any mutagenic effects. Studies on Similar products did not cause genetic damage in cultured bacterial cells. Evidence suggests that there is nothing to cause genetic damage in animals.
Carcinogenicity	Individual Components have not shown any carcinogenic effects in animals.
Reproductive Toxicity	Studies on Similar products have shown No toxicity to reproduction

Specific Target Organ Toxicity

Specific target organ toxicant -single exposure

Pentapotassium bis(peroxymonosulphate) bis(sulphate)	Not classified as specific target organ toxicant, single exposure

Dipotassium peroxodisulphate	Target Organs: Respiratory tract Classified as specific target organ toxicant, single exposure category 3 with respiratory tract irritation

Specific target organ toxicant -single exposure

Malic acid	Not classified as specific target organ toxicant, repeated exposure
Sulphamic acid	Not classified as specific target organ toxicant, repeated exposure
Dipentene	Not classified as specific target organ toxicant, repeated exposure
Sodium Dodecyl Benzene Sulfonate	Not classified as specific target organ toxicant, repeated exposure
C14/C16-alpha olefin sulphonate sodium salt	Not classified as specific target organ toxicant, repeated exposure

Aspiration Hazard

Malic acid	No Aspiration toxicity classification
Sulphamic acid	No Aspiration toxicity classification
Dipotassium peroxodisulphate	No Aspiration toxicity classification
Sodium Dodecyl Benzene Sulfonate	No Aspiration toxicity classification
C14/C16-alpha olefin sulphonate	No Aspiration toxicity classification
sodium salt	No Aspiration toxicity classification

SECTION 12 : ECOLOGICAL INFORMATION

Toxicity to fish:	LC50/96 h/ = 24.6 mg/L Salmo salar (Atlantic salmon) – Obtained from Similar product data
Toxicity to aquatic plants:	EC50/72 h/Algae = 20 mg/L NOEC/Algae: 6.25mg/l Obtained from Similar product data
Toxicity to vertebrates:	EC50/48 h/ Daphnia magna = 6.5 mg/L Obtained from Similar product data

Terrestrial invertebrates: Pentapotassium bis(peroxymonosulphate) bis(sulphate)	NOEC50/28 d/ Americamysis bahia = 0.267 mg/L
Degradability:	Expected to be biodegradable.
Bioaccumulation:	No data.
Soil:	No data on soil toxicity.
Environmental effect levels:	No EEL available.
Ecological Notes:	Do not discharge product unmonitored into environment.

The ecological data refer to the undiluted product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Disposal Method:

Follow the label directions.
Triple rinse empty containers before disposal.
Do not burn empty containers that have not been rinsed. Burn in an appropriate incinerator if circumstances such as wind direction permit.
Otherwise crush or puncture and bury in a suitably approved landfill.
Do not dispose of this product down drains or sewers.
Follow all local, regional and national laws and regulations regarding hazardous waste disposal.
Containers may be recycled through an approved recycling facility.

SECTION 14 : TRANSPORT INFORMATION

Not classified as Dangerous Goods under NZS 5433

SECTION 15 : REGULATORY INFORMATION

HSNO Number :	HSR002503
Group Standard:	Cleaning Products

SECTION 16 : OTHER INFORMATION

The data in this Safety Data Sheet relates only to this product alone, and not to its use in combination with other substances or products. In such circumstances, assuming the combination is permitted (refer to product labels, and contact manufacturers if in doubt), be guided by the most hazardous of the substances involved, and observe the more stringent of all hazard controls applicable to the products used.

Further Information Agmax Industries Limited
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