

Section I – COMPANY AND PRODUCT IDENTIFICATION

Supplier

Name: Vulk Pty Ltd
 Address: 5 Piping Lane, Lonsdale, SA, 5160
 Phone: 08 7120 6955
 Website: Vulk.com.au
 Email: enquiries@vulk.com.au

Product/Chemical Name: Aardcure AA

Chemical Description:

Recommended Use: Aliphatic finishing aid

Section II – HAZARDS IDENTIFICATION

Poison Schedule:

Not scheduled

Classification:

Non-Hazardous substance, Non-Dangerous Substance.

Not classified as Dangerous Goods by the criteria of the “Australian Code for the Transport of Dangerous Goods by Road & Rail” and the “New Zealand NZS5433: Transport of Dangerous Goods on Land”. This material is NOT hazardous according to health criteria of Safe Work Australia.

Label elements:



Signal word:

Warning

Hazard statement(s):

H305 May be harmful if swallowed

Precautionary statement(s) Prevention:

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from source of ignition – No smoking.

P210 Wear protective clothing, gloves, eye/face protection and suitable aspirator as required.

P280 Avoid release into the environment.

Precautionary statement(s) Response:

P101 If medical advice is needed, have product container or label on hand.

P310 Immediately call a POISON CENTRE or doctor physician.

P331 DO NOT induce vomiting.

P370+378 In case of fire: Use water fog, foam, or dry agents for extinction

Precautionary statement(s) Storage:

P403+235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Precautionary statement(s) Disposal:

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

Other hazards which do not result in classification:

If applicable, information is provided in this section on other hazards which do not result in classification but may contribute to the overall hazards of the substance or mixture.

Section III – COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical description	CAS Number	% Weight
Mixture of nonhazardous components	Not applicable	

Section IV – FIRST – AID MEASURES

Swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control centre or doctor.

Eye:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye Specialist.

Skin:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic soap be used. If irritation develops, seek medical attention.

Inhaled:

If difficulties occur after vapour has been inhaled, remove to fresh air and seek medical attention.

Advice to Doctor:

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section V – FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Foam, water spray, dry powder, carbon dioxide.

Unsuitable extinguishing media for safety reasons:

Water jet.

Hazardous combustion products:

No hazardous combustion products are known.

Specific hazards:

No available data.

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Section VI – ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear protective equipment to prevent skins and eye contamination and the inhalation of vapours. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/fire fighting water. Do not discharge into drains/surface waters/groundwater. If contamination or sewers or waterways occurs advise local emergency services

Methods for cleaning up or taking up:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth clean rag or paper towels). Dispose of contaminated material as prescribed.

For large amounts: Work up wind or increase ventilation. Use absorbent (soil, sand or other inert material).

Collect and seal in properly labelled containers or drums for disposal.

Section VII – HANDLING AND STORAGE

Handling:

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in well ventilated area. Keep containers sealed when not in use. Maintain high standards of personal hygiene i.e., Washing hands prior to eating, drinking, smoking, or using toilet facilities.

Storage:

KEEP FROM FREEZING. Product stability may be affected. Store in original container in a cool, dry, well-ventilated place, out of direct sunlight. Store away from incompatible materials described in Section X. Store away from sources of heat or ignition. Keep containers closed when not in use. Check regularly for leaks.

Storage temperature:

1-49°C

Section VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters

The substances without values are not listed in the occupational exposure regulations for the validity area of this Material Safety Data Sheet. No value assigned for this specific material by Safe Work Australia.

Biological limit values:

As per the “National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)” the ingredients in this material do not have a Biological limit allocated.

Engineering measures:

Use only in well ventilated areas. 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 be collected. Keep containers closed when not in use.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic,

inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Impermeable rubber gloves. Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4mm), chloroprene rubber (0.5mm), butyl rubber (0.7mm) and other. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suits (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks)

Section IX – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Green
Odour:	Sweet odour
Boiling point:	>100°C
	Not flammable
Flash point:	A flashpoint determination is unnecessary due to the high water content
Flammability:	non-combustible
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	not applicable
Density:	1.08g/cm ³ at 20°C
Bulk density:	not applicable

Section X – STABILITY AND REACTIVITY

Reactivity:

No reactivity hazards are known for this material.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

strong acids, strong bases, strong oxidising agents.

Incompatible materials:

There are no known materials which are incompatible with this product.

Hazardous reactions:

Product will not undergo polymerization.

Other information:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Section XI – TOXICOLOGICAL INFORMATION

Acute Toxicity**Acute oral toxicity:**

LD50, Rat, >5,000 mg/kg

Acute dermal toxicity:

LD50, Rabbit, >5,000 mg/kg

Inhalation:

Product test data not available. Refer to component data.

Skin contact:

May cause transient irritation.

Corrosion/Irritancy:

Eye: This material has been classified as not corrosive or irritating to the eyes.

Skin: This material has been classified as not corrosive or irritating to the skin.

Sensitisation:

Product test data not available. Refer to component data.

Special target organ toxicity (single exposure):

Product test data not available. Refer to component data.

Aspiration Hazard

Product test data not available. Refer to component data.

Chronic Toxicity**Mutagenicity:**

Product test data not available. Refer to component data.

Carcinogenicity:

Product test data not available. Refer to component data.

Reproductive toxicity (including via lactation):

Product test data not available. Refer to component data.

Teratogenicity:

Product test data not available. Refer to component data.

Specific target organ toxicity (repeated exposure):

Product test data not available. Refer to component data.

Additional Information:

No data is available for this material. The information shown is based on profiles of compositionally similar materials.

Components influencing toxicology:**Ammonium Hydroxide****Acute inhalation toxicology:**

The LC50 has not been determined.

Sensitization:**For skin sensitization:**

No relevant data found.

For respiratory sensitization:

No relevant data found.

Specific target organ systemic toxicity (single exposure):

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific target organ systemic toxicity (repeated exposure):

No relevant data found.

Carcinogenicity:

Did not cause cancer in laboratory animals.

Teratogenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Mutagenicity:

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

Aspiration Hazard:

Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage of lung injury.

Section XII – ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity:

Acute aquatic hazard (Ammonium hydroxide):

Acute toxicity to fish.

Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested).

May increase pH of aquatic systems to >pH10 which may be toxic to aquatic organisms.

LC50, *Lepomis macrochirus* (Bluegill sunfish) 96 hour, 0.87 mg/l

LC50, *Pimephales promelas* (fathead minnow), 96 Hour, 1.2 mg/L

Persistence and degradability (Ammonium hydroxide):

Biodegradability:

Biodegradation may occur under aerobic conditions (in the presence of oxygen). Biodegradation rate may increase in soil and/or water with acclimation.

Theoretical oxygen demand:

0.76 mg/mg

Bio accumulative potential (Ammonium hydroxide):

Bioaccumulation:

No bioconcentration is expected because of the relatively high water solubility.

Mobility in water (Ammonium hydroxide):

Potential for mobility in soil is very high. (Koc between 0 and 50).

Results of PBT and vPvB assessment:

This substance contains no components to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects (Ammonium hydroxide):

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Section XIII – DISPOSAL CONSIDERATIONS

Observe national and local legal regulations

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after thoroughly cleaned.

Section XIV – TRANSPORT CONSIDERATIONS

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport:

Not classified as a dangerous good under transport regulations IMDG

Air transport:

Not classified as a dangerous good under transport regulations IATA/ICAO

Section XV – REGULATORY INFORMATION

Poisons Schedule:

Not scheduled

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)

This material/constituent(s) is covered by the following requirements:

All the constituent(s) of this material are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt.

If other regulatory information applies that is not already provided elsewhere in the safety data sheet, then it is described in this subsection.

Section XVI – OTHER INFORMATION

Date of Preparation or Last Revision of MSDS: 16 March 2021

Prepared by: David Shaughnessy

Sources for data

Material Safety Data Sheets from Suppliers

STATEMENT OF RESPONSIBILITY

Purchase or use of the product referred above ('the Product') constitutes acceptance of these terms. Any information provided by Vulk Pty Ltd ('Vulk') is of a general nature and should not be taken as advice and is, to the extent permitted by law, provided without warranty as to the accuracy, reliability or completeness of that information. Further, no warranty is provided in respect to the quality, suitability or fitness for purpose of the Product. Expert advice should be taken in respect to any use of the Product.

So far as is permitted by law, any party purchasing or using the Product indemnifies Vulk against and releases Vulk from any claim, liability, loss, cost or similar directly or indirectly arising out of the supply or use of the Product or this technical data sheet. Vulk's liability to any party is limited to cost of replacement or repair of the Product and is reduced proportionately to the extent that an act or omission of any other party contributes to the liability.