



# SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 28.11.2018

Revision: 28.11.2018

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** MAXISIL CLEANER

**Recommended Use of the Chemical and Restriction on Use:** Tile and stainless steel cleaner

**Details of Manufacturer or Importer:**

Supplied in New Zealand by:

Tilers Mate

33 Fairfax Avenue,

Penrose, Auckland, New Zealand

Manufactured by Maxisil

55 Lakewood Boulevard, Carrum Downs

VIC 3201

**Phone Number:** + 64 8 0085 6283

**Emergency telephone number:** + 64 8 0085 6283

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.



flame

Flammable Liquids 2

H225 Highly flammable liquid and vapour.



Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

Acute Toxicity (Oral) 5

H303 May be harmful if swallowed.

Skin Corr. 3

H316 Causes mild skin irritation.

**HSNO Classification**

3.1B - Flammable liquid - high hazard.

6.1E - Substances that are acutely toxic - May be harmful

6.3B - Substances that are mildly irritating to the skin.

6.4A - Substances that are irritating to the eye.

**Signal Word** Danger

**Hazard Statements**

H225 Highly flammable liquid and vapour.

H303 May be harmful if swallowed.

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use only non-sparking tools.

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- P243 Take precautionary measures against static discharge.  
 P264 Wash hands thoroughly after handling.  
 P280 Wear protective gloves / eye protection / face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P370+P378 In case of fire: Use to extinguish: CO<sub>2</sub>, powder or water spray.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national regulations.

**Additional Information** AUH066 Repeated exposure may cause skin dryness or cracking.**3 . COMPOSITION AND INFORMATION ON INGREDIENTS****Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 67-64-1	Acetone	>99%
	⚠ Flammable Liquids 2, H225; ⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319	

**4 . FIRST AID MEASURES****Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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 occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: May cause respiratory irritation, drowsiness, dizziness, headaches and nausea. High concentrations may cause Central Nervous System (CNS) depression, incoordination, impaired judgement and unconsciousness.

Skin Contact: Causes mild skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea and vomiting.

**5 . FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrogen, smoke and other toxic fumes.

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

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

## **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 approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking. Product is slippery when spilt.

### **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 spilt material and place into a suitable container for disposal. Use only non-sparking tools. Small spills can be wiped up with clean rag or paper towels.

## **7 . HANDLING AND STORAGE**

### **Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. Do not enter confined spaces where vapour may have collected. Take precautionary measures against static discharge. 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. Keep away from strong oxidising agents.

## **8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION**

### **Exposure Standards:**

#### **CAS: 67-64-1 Acetone**

WES	STEL: 2375 mg/m <sup>3</sup> , 1000 ppm TWA: 1185 mg/m <sup>3</sup> , 500 ppm bio
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### **Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

### **Respiratory Protection:**

Use an approved organic vapour / particulate 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:**

Protective gloves. 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

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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:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Acetone odour
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	Not determined.
<b>Melting point/freezing point:</b>	-95 °C
<b>Initial Boiling Point/Boiling Range:</b>	55 - 57 °C
<b>Flash Point:</b>	-20 °C
<b>Flammability:</b>	Highly flammable.
<b>Auto-ignition Temperature:</b>	465 °C
<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 at 20 °C:</b>	259 hPa
<b>Relative Density at 20 °C:</b>	0.791 - 0.793
<b>Vapour Density:</b>	2.0 (air = 1)
<b>Evaporation Rate:</b>	5.6 (n-butyl acetate = 1)
<b>Solubility in Water:</b>	No information available
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	0.33 cP
<b>VOC:</b>	No information available

## 10 . STABILITY AND REACTIVITY

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

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames and other sources of ignition.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

#### LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:

#### CAS: 67-64-1 Acetone

Oral	LD <sub>50</sub>	5,800 mg/kg (rat)
Dermal	LD <sub>50</sub>	>7,426 mg/kg (rabbit)
Inhalation	LC <sub>50</sub> /4 h	30,000 ppm (rat)

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**Acute Health Effects****Inhalation:**

May cause respiratory irritation, drowsiness, dizziness, headaches and nausea. High concentrations may cause CNS depression, incoordination, impaired judgement and unconsciousness.

**Skin:** Causes mild skin irritation.

**Eye:** Causes serious eye irritation.

**Ingestion:** May be harmful if swallowed. May cause gastrointestinal irritation, nausea and vomiting.

**Skin Corrosion / Irritation:** Causes mild skin irritation.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**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:** May cause drowsiness and dizziness.

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

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

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** Repeated exposure may cause skin dryness or cracking.

**Existing Conditions Aggravated by Exposure:** No information available

**Additional toxicological information:** No information available

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No adverse ecological effects are expected.

**Aquatic toxicity:****CAS: 67-64-1 Acetone**

EC<sub>50</sub>/48 h 12,600 mg/l (daphnia)

LC<sub>50</sub>/96 h 4,740-6,330 mg/l (rainbow trout)

**Persistence and Degradability:** No further relevant information available.

**Bioaccumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

**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

IMDG, IATA

UN1090

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<b>Proper Shipping Name</b>	
<b>IMDG, IATA</b>	ACETONE solution
<b>Dangerous Goods Class</b>	
<b>IMDG Class:</b>	3 Flammable liquids.
<b>Packing Group:</b>	
<b>IMDG, IATA</b>	II
<b>EMS Number:</b>	F-E,S-D
<b>Hazchem Code:</b>	2YE
<b>Limited Quantities:</b>	1L
<b>Excepted quantities (EQ)</b>	E2
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC02
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T4
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP1

**15 . REGULATORY INFORMATION****HSNO Approval Code / Group Standard:**

Cleaning Products (Flammable) Group Standard 2017

HSNO Approval Number: HSR002528

**New Zealand Inventory of Chemicals**

All ingredients are listed.

**16 . OTHER INFORMATION****Date of Preparation or Last Revision:** 28.11.2018**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

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)

VOC: Volatile Organic Compounds

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

WES: Workplace Exposure Standard

Flammable Liquids 2: Flammable liquids – Category 2

Acute Toxicity (Oral) 5: Acute toxicity – Category 5

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Skin Corr. 3: Skin corrosion/irritation – Category 3

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

**Disclaimer**

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)'.

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Tilers Mate makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the

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suitability of the information provided to the particular circumstances in which the product is used.