

Safety Data Sheet

Infosafe No™ 5API9 Issue Date : November 2016 Status : ISSUED

Product Name **RAPID MACHINE PLUS**

Classified as hazardous

1. Identification

GHS Product Identifier RAPID MACHINE PLUS
Product Code RAPMP15; RAPMP5
Company Name ITW AAMTech (ABN 63 004 235 063)
Address 1-9 NINA LINK DANDENONG SOUTH
VIC 3175 AUSTRALIA
Telephone/Fax Number Tel: 1800 177 989
Fax: +61 2 9725 4698
Emergency phone number 1800 638 556
E-mail Address info@aamtech.com.au
Recommended use of the chemical and restrictions on use Dishwashing liquid for automatic dishwashing machines
Other Information Website: www.aamtech.com.au
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Email: info@aamtech.com.au
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2. Hazard Identification

GHS classification of the substance/mixture Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Skin Corrosion/Irritation: Category 1B
Metal Corrosion Category 1
Acute Aquatic Hazard Category 2
Signal Word (s) DANGER
Hazard Statement (s) May be corrosive to metals
Causes severe skin burns and eye damage
Toxic to aquatic life
Pictogram (s) Corrosion



Precautionary statement – Prevention Do not breathe dust/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep only in original container.
Avoid release to the environment.
Precautionary statement – Response IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor/physician/first aider
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.
Precautionary statement – Storage Store locked up.

3. Composition/information on ingredients

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Potassium hydroxide	1310-58-3	10-<30 %
	Sodium hypochlorite	7681-52-9	0-<10 %
	Ingredients determined not to be hazardous	-	Balance

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4. First-aid measures

Skin	Remove any source of further contamination (such as contaminated clothing). Flush the affected area with water as soon as possible. Continue to flush until: All of the substance is removed AND signs and symptoms have gone away. Do NOT scrub the skin roughly. Do NOT use any solvent (e.g. soap, acetone, alcohol). Seek medical advice. IF THE SKIN LOOKS BURNED: Treat the skin the same as a thermal (heat) burn: Clean the skin gently with cool water. Apply a cold compress. Do NOT apply ice to hands or feet as this may cut off circulation If after initial treatment, the skin is very painful or a large area is affected, transport victim to a hospital or medical centre without further delay.
Eye contact	Remove contact lenses before rinsing. Immediately rinse with plenty of water for at least 15 minutes. Eyelids to be held open. If eye wash station is unavailable, use clean, room temperature water poured from a jug or bottle, or a low-pressure running tap or hose. If you are only rinsing one eye, be careful not to get any product in the unaffected eye. Urgently seek medical assistance. Transport to hospital or medical centre. The following should NOT be used to rinse the eye(s): Eye drops - these do not contain enough liquid to enable sufficient rinsing and occasionally contain chemicals which may interact with the substance in the eye. Shower - high pressure water may cause mechanical injury to the eye.
First Aid Facilities	Eye wash station, safety shower and normal washroom facilities.

5. Fire-fighting measures

Suitable extinguishing media	Use water fog, foam, dry chemical or carbon dioxide for surrounding fires as governed by adjacent materials.
Hazards from Combustion Products	This product is not flammable under the conditions of use and does not support combustion. However, this product may liberate Hydrogen gas on contact with aluminium, zinc, and some other reactive metals, thus creating a fire and explosion hazard.
Specific hazards arising from the chemical	This product may liberate Hydrogen gas on contact with reactive metals, thus creating a fire and explosion hazard. Potential sources of ignition should be excluded from the immediate area.
Hazchem Code	2R
Other Information	If this product is involved in a fire, firefighters should full protective equipment including self contained breathing apparatus.

6. Accidental release measures

Clean-up Methods - Small Spillages	Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Use protective equipment as detailed in Section 8. Contain and absorb spill with sand, earth, inert material or vermiculite, then place in a suitable, clean labelled container for waste disposal. For spills <1L, wash to sewer with an excess of water.
Clean-up Methods - Large Spillages	Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable nonflammable absorbent material such as sand or diatomaceous earth, and then transfer to sealed clean plastic containers for disposal. Dispose of large amounts in a chemical dump according to local authority statutory requirements.

7. Handling and storage

Precautions for Safe Handling	DO NOT allow contaminated clothing to stay in contact with skin Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. WARNING: To avoid violent reaction, ALWAYS add material to water and NEVER water to material. Avoid contact with incompatible materials.
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Conditions for safe storage, including any incompatibilities When handling, DO NOT eat, drink or smoke.
Store in original containers.
Keep containers securely sealed.
Store in a cool, dry, well-ventilated area.

Storage Regulations Store away from incompatible materials and foodstuff containers.
Protect containers against physical damage and check regularly for leaks.
Store in dangerous goods approved plastic containers away from foodstuffs, oxidising agents and acids
Containers must remain labelled until container is completely decontaminated

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Potassium hydroxide			2		Peak limitation
Appropriate engineering controls	Ensure that the ventilation is adequate to maintain air concentrations below the exposure standards.					
Personal Protective Equipment	Wear PVC gloves, chemical goggles and/or a face shield, an acid resistant apron and enclosed footwear. Wear an acid resistant respirator to AS 1716 if spray mists are produced during use. It is recommended that a shirt with long sleeves and long trousers be worn. Always wash skin and clothing after using this product.					

9. Physical and chemical properties

Form	Liquid
Appearance	Clear almost colourless mobile liquid, slight bleach odour.
Boiling Point	100°C
Solubility in Water	Complete
Specific Gravity	1.170 @ 25°C
pH	13.4
Evaporation Rate	As for water
Volatile Component	77.7% w/w
Flammability	This product is not flammable under the conditions of use and does not support combustion. However, this product may liberate Hydrogen gas on contact with aluminium, zinc, and some other reactive metals, thus creating a fire and explosion hazard. Potential sources of ignition should be excluded from the immediate area.

10. Stability and reactivity

Chemical Stability	Considered stable. Sodium hypochlorite will break down if exposed to heat or UV light.
Incompatible Materials	Strong acids, strong oxidising agents, strong reducing agents.
Hazardous Decomposition Products	During combustion, this product may produce carbon monoxide as well as other unidentifiable organic compounds.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Ingestion	Very corrosive to the mouth and digestive tract. May cause severe internal damage.
Inhalation	Vapours or mists are very corrosive to the nose and respiratory tract.
Skin	Very corrosive to skin tissue. May cause severe chemical burns which are extremely painful. May cause permanent tissue damage. Potassium hydroxide burns are not immediately painful; onset of pain may be delayed minutes or hours.

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Eye	Corrosive to eyes; contact can cause corneal burns. Permanent eye damage may occur.
Chronic Effects	Chronic exposures may result in dermatitis and/or conjunctivitis.

12. Ecological information

Ecological Information	At normal use levels and following standard trade waste post treatment, this product is expected to exhibit low toxicity towards aquatic organisms. However, the undiluted material should be prevented from entering waterways.
Environmental Fate	Potassium hydroxide is not persistent in the environment. Its immediate effect in water is to raise the pH, and it may precipitate many naturally occurring cations in the water. Alkalinity may be neutralised by natural acidity in the environment, mostly by CO ₂ absorbed into water from the atmosphere. Sodium hypochlorite is not stable in water or in soil in the presence of organic material, and is rapidly decomposed by heat and light. Due to the rapid reactions with other substances, the inherent toxicity of hypochlorite, with EC/LC ₅₀ values below 1 mg/L, is of little, if any, relevance for aquatic environments. Sodium hypochlorite does not accumulate in the food chain. This product contains 1.1% w/w P. Detergents containing phosphorus contribute together with other sources of phosphorus to the eutrophication of many fresh waters. Algae are the first step in the food chain and a number of factors are needed to promote their growth. These factors are sunlight for photosynthesis, temperature, certain water conditions (turbulence) and nutrients like carbon, nitrogen and phosphorus. The use of phosphorus in complexing agents is still an environmental concern wherever sewage effluent is released untreated into freshwater recipients.

13. Disposal considerations

Waste Disposal	Consult local trade waste regulations before discharging to sewer. Neutralise waste water with dilute acid to a pH range of 6-10.
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14. Transport information

Transport Information	Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.
U.N. Number	1814
UN proper shipping name	POTASSIUM HYDROXIDE SOLUTION - (CONTAINS SODIUM HYDROXIDE & POTASSIUM HYDROXIDE)
Transport hazard class(es)	8
Hazchem Code	2R
Packaging Method	3.8.8RT8
Packing Group	II
EPG Number	8A1
IERG Number	37
LIMITED QUANTITY - Packing Instruction	IMDG: 1L IATA: 0.5L ADG: 1L
IMDG UN No	1814
IMDG Description	POTASSIUM HYDROXIDE SOLUTION
IMDG Hazard Class	8
IMDG Pack. Group	II

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IMDG EMS F-A,S-B
IMDG Marine pollutant None of the components of this product is considered to be a Marine Pollutant

15. Regulatory information

Poisons Schedule S6
Hazard Category Corrosive
AICS (Australia) All ingredients listed

16. Other Information

Literature References

Safe Work Australia: Hazardous Substances Information System. Hazard Classification, Risk and Safety Phrases and Exposure Standards information. National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC:2011(2003)]
Approved Criteria for Classifying Hazardous Substances, 3rd Edition [NOHSC:1008(2004)]
Australian Code for the Transport of Dangerous Goods by Road and Rail. International Maritime Dangerous Goods Code.
International Air Transport Association Dangerous Goods Regulations.

Contact Person/Point

Australia:
24 HOUR EMERGENCY CONTACT (Chemical Safety International): 1 800 638 556
Poisons Information Centre (Australia): 13 11 26
New Zealand:
24 HOUR EMERGENCY CONTACT (Chemical Safety International): 0800 154 666
NZ National Poisons Centre (24 Hour): 0800 764 766
DISCLAIMER:
This Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.
As ITW AAMTech cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.
Data sheets from unauthorised sources may contain information that is no longer current or accurate.
This SDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW AAMTech to ensure they are in possession of the latest version.
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