

# Safety Data Sheet

## Section 1: IDENTIFICATION

### VICTORY TWIN

**Recommended Use:** Beer Line Detergent

**Product Code:** See Manufacturers Code

Company:	MICHALIS GROUP PTY LTD TRADING AS
Address:	ALL-PRO CHEMICAL AND CLEANING SUPPLIES
Telephone Number:	3/7 AYRSHIRE CRESCENT, SANDGATE N.S.W 2304
Emergency Telephone Number:	(02) 4968 2000
	Poisons Information Centre: Westmead NSW Australia 131126

<b>Manufacturers Product Code:</b>	VICTORYTWIN	(1L)
	VICTORYTWIN	(5L)
	VICTORYTWIN	(20L)

## Section 2: HAZARDS

Classified as hazardous according to the criteria of the NOHSC.  
Dangerous Goods Class 8 – Corrosive.



<b>R35:</b>	Causes severe burns.
<b>S26:</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>S37/ 39:</b>	Wear suitable gloves and eye/face protection.
<b>S45:</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)

## Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be hazardous	Not Applicable	To 100%
Potassium hydroxide	1310-58-3	30-60%
EDTA tetrasodium salt	64-02-8	<10%

## Section 4: FIRST AID

<b>Eye (contact)</b>	Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
<b>Skin (contact)</b>	Remove contaminated clothing and flush skin and hair with running water.
<b>Inhalation (Breathing)</b>	Not volatile at room temperatures.
<b>Ingestion (Swallowing)</b>	DO NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone: 13 11 26) or a doctor.
<b>Advice to Doctor</b>	Treat symptomatically for highly alkaline solution.
<b>First Aid Facilities</b>	Ensure an eye bath and safety shower are available and ready for use.
<b>Additional Information</b>	No aggravated medical conditions are known to be caused by exposure to this product.

## Section 5: FIREFIGHTING MEASURE

<b>Suitable Extinguishing Media</b>	Solution does not burn. Use extinguishing media suited to the materials that are burning. E.g. dry chemical, CO <sub>2</sub> or water spray.
<b>Hazards from Combustion Products</b>	Carbon dioxide, carbon monoxide, nitrogen oxides and other toxic gases may be produced in the case of fire or during thermal decomposition. Corrosive alkali vapours may be present.
<b>Precautions for Fire Fighters and Special Protective Equipment</b>	Firefighters should wear full protective clothing including self contained breathing apparatus and chemical splash suit. Ensure that no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.
<b>Additional Information</b>	<b>Hazchem Code- 2R</b> May generate flammable hydrogen gas if in contact with zinc, tin, magnesium or aluminium.

## Section 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedure</b>	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide- (Guide 37) – for large volumes.
<b>Spills / Clean up</b>	For spills less than 1L – Clean up personnel should wear personal protective equipment. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material, such as sand, vermiculite or other inert material. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

## Section 7: HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	<p>After removing excess soil, apply product to equipment to be cleaned, then heat equipment to approximately 80°C for 5-10 minutes. Do not allow equipment to dry-out.</p> <p>Contact ALL-PRO sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin.</p> <p>Do not use for manual dishwashing.</p> <p>Do not mix with hot water.</p> <p>Any non-authorised use of this product may result in damage or personal injury.</p> <p>Store product in original container.</p> <p>Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.</p>
<b>Conditions for Safe Storage</b>	<p>Store in a cool, dry, well ventilated area away from incompatible materials. Keep container tightly sealed.</p>

## Section 8: EXPOSURE CONTROL/ PERSONAL PROTECTION

**National Exposure Standards – Source:** National Exposure Standards for Atmospheric Containments in the Occupational Environment [NOHSC: 1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Sodium Hydroxide	1310-73-2	2mg/m <sup>3</sup>	Not available

**Biological Limit Values** Not Available

**Engineering Controls** Ensure adequate ventilation to keep airborne concentrations below exposure standards.

**Personal Protective Equipment** Eye/ Face protection- Safety glasses or chemical resistant goggles should be worn to prevent eye contact.  
Skin protection- Use nitrile rubber gloves, chemical resistant boots and overalls to prevent skin contact.  
Respiratory protection- Respirator is not usually necessary but if product is being used in a confined area where mist is a problem, use a respirator suitable for particulars and alkaline gases.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point/Melting Point:** APPROXIMATELY 100°C

**Odour:** BLAND

**Ignition Temperature:** NOT APPLICABLE

**pH:** 14

**Freezing point:** APPROXIMATELY 1°C

**Vapour Density:** NOT AVAILABLE

**Specific Gravity:** 1.35

**Flashpoint (°C):** NOT RELEVANT

**Vapour Pressure: (pascals pr mm of Hg at 25°C):** NOT AVAILABLE

**Appearance:** CLEAR LIQUID

**Upper and Lower Flammability limits (in air):** NOT APPLICABLE

**Solubility (g/l):** NOT AVAILABLE  
(DILUTABLE)

## Section 10: STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal ambient storage conditions.
<b>Conditions to avoid</b>	Avoid high temperatures (store below 30°C). Protect against physical damage.
<b>Incompatible materials</b>	Incompatible with aluminium, tin, zinc, magnesium and their alloys. Also incompatible with acid, fertilizers, chlorinating compounds, brominated compounds and nitrated hydrocarbons.
<b>Hazardous decomposition products</b>	May react with aluminium, tin, and zinc to produce flammable hydrogen gas.
<b>Hazardous reactions</b>	See hazardous decomposition products above.

## Section 11: TOXICOLOGICAL INFORMATION

### Health Effects

#### Acute

<b>Swallowed</b>	Considered an unlikely route of entry in commercial / industrial environments. May cause tissue damage in the mouth, throat and stomach. May be fatal if swallowed.
<b>Eye</b>	Pain and reddening will occur. Severe damage may result if not treated immediately.
<b>Inhaled</b>	Inhalation of mist may cause irritation.
<b>Skin</b>	Causes irritation, redness and burns on contact with skin.

#### Chronic

<b>Swallowed</b>	No effects known.
<b>Eye</b>	Permanent injury may result.
<b>Inhaled</b>	Possibility of moderate to severe respiratory damage.
<b>Skin</b>	Repeated skin contact may lead to dermatitis.

### TOXICITY DATA

Potassium hydroxide	LD <sub>50</sub> 273mg/kg (Oral, rat)
EDTA tetrasodium salt	LD <sub>50</sub> 330mg/kg (Intraperitoneal, mouse)

## Section 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not expected to be ecotoxic after dilution or neutralization.
<b>Persistence and degradability</b>	Not known.
<b>Mobility</b>	Not known.

## Section 13: DISPOSAL CONSIDERATIONS

<b>Disposable method</b>	Refer to State/ Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty containers thoroughly before recycling or disposing to an authorized landfill.
<b>Special precautions</b>	Normally suitable for incineration by approved agent.

## Section 14: TRANSPORT INFORMATION

<b>UN Number:</b>	1719
<b>UN Proper Shipping Name:</b>	CAUSTIC ALKALI LIQUID, N.O.S.
<b>Class and subsidiary risk:</b>	8-Corrosive
<b>Packing Group:</b>	I I
<b>Special Precautions for user:</b>	Not applicable
<b>Hazchem code:</b>	2R

## Section 15: REGULATORY INFORMATION

<b>Poisons Schedule (SUSDP):</b>	Schedule 6 – POISON.
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All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

## Section 16: OTHER INFORMATION

**Prepared By:** Ian Barkley  
**Position:** Managing Director

**Date of preparation:** 1<sup>st</sup> July 2014

### Legend to Abbreviations and Acronyms

< less than

**AICS** Australian Inventory of Chemical Substances

**CAS** Chemical Abstracts Service (Registry Number)

**CEFIC** European Council of the Chemical Industry

**CO<sub>2</sub>** Carbon Dioxide

**deg C ( °C )** degrees Celsius

**EDTA** ethylene diamine tetra acidic

**ES-STEL** Exposure Standard – Short Term Exposure Limit

**ES-TWA** Exposure Standard – Time Weighted Average

**G** gram

**g/l** grams per litre

**Kg** kilogram

**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals

**Ltr (L)** Litre

**m<sup>3</sup>** cubic metre

**mg** milligram

**mg/kg** milligrams per kilogram

**mg/m<sup>3</sup>** milligrams per cubic metre

**Mm** millimetre

**NOHSC** National Occupational Health and Safety Commission

**SUSDP** Standard for the Uniform Scheduling of Drugs and Poisons

**UN** United Nations (number)