



Date of Issue: 17 November 2016

Duo Part 1

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name	Duo Part 1
Code	50038
Product Use	Part 1 of a 2 part cleaner for beer lines and equipment
Company Name	Dominant (Australia) Pty Ltd
Address	12 Coglin Street, Brompton SA 5007, Australia
Telephone	1300 789 852 or +61 (8) 8245 6900
Facsimile	+ 61 (8) 8340 1626
Emergency Phone	13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification	Eye Damage 1 Skin Corrosion 1A Metal Corrosion 1 Acute Toxicity 4
Signal Word	DANGER
Hazard Statements	Causes severe skin burns and eye damage May be corrosive to metals Harmful if swallowed
Precautionary Statements	Avoid breathing mists. Ensure adequate ventilation when using. Keep out of reach of children. Store locked up. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing and eye /face protection. IF SWALLOWED: Rinse mouth, do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If problem persists, seek urgent medical attention. 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 CENTRE or doctor. Dispose of contents/container in accordance with state regulations

Pictograms



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Product Name: Duo Part 1**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	Name	CAS	Proportion
	Potassium hydroxide	1310-58-3	30 – 60%
	Disodium metasilicate	10213-79-3	10 – 30%
	Other ingredients	non hazardous	balance

4. FIRST AID MEASURES

Ingestion	If swallowed do NOT induce vomiting. Immediately wash out mouth with water. Call a POISON CENTER or doctor/physician if you feel unwell.
Eye	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 CENTRE or doctor.
Skin	If skin contact occurs, Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek urgent medical attention.
Inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If problem persists, seek urgent medical attention.
First Aid Facilities	An eye wash and general washing facility should be available adjacent to the work area.
Advice to Doctor	Treat symptomatically. For advice contact a Poisons Information Centre. (Phone Australia 13 11 26; New Zealand 0800 764 766)

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use appropriate extinguishing media to suit surrounding area
Hazards from Combustion	Material does not burn.
Precautions for Fire Fighters	Corrosive liquid. Wear chemical splash suit and SCBA. Contact with metals may evolve flammable hydrogen gas.
Hazchem	2R

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Clean Up	Spills will be slippery so treat promptly. For minor spills mop up and rinse with water. For larger spills absorb material on mineral absorbent material or absorbent pads. Collect and put into plastic bags or containers and dispose of through waste disposal contractor. Rinse area with water.

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Product Name: Duo Part 1**7. HANDLING AND STORAGE**

Handling	Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product.
Storage	Corrosive product. Store in a cool, dry, well ventilated place out of direct sunlight. Keep only in original containers. Store in closed containers. Store away from incompatible materials such as acids, aluminium or zinc. Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	None listed for product. However exposure standards for potassium hydroxide are: Potassium hydroxide TWA 2mg/m ³ Peak limitation.
Engineering Controls	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Avoid generating and breathing in mist. Use product in beer line dispensing system cleaning canisters or through inline dispenser.
Personal Protective Equipment	Wear overalls, chemical goggles or face mask, safety shoes or boots and impervious gloves. If spraying wear approved respirator suitable for caustic mists.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear almost colourless liquid with a slight odour.
Solubility in Water	Soluble
pH	14
Flash Point	Not available
Melting Point	~5°C
Boiling Point	~100°C
Specific Gravity	1.410

10. STABILITY AND REACTIVITY

Stability	Will absorb moisture and carbon dioxide from atmosphere. Keep containers sealed.
Hazardous Polymerisation	Will not occur
Conditions to Avoid	Do not spray on hot surfaces as caustic mist will be produced as the product boils off.
Incompatible Materials	Reacts violently with acids. Attacks aluminium, tin and zinc.

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Product Name: Duo Part 1**11. TOXICOLOGICAL INFORMATION**

Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and bleeding. Can cause chemical burns to the mouth, oesophagus and gastrointestinal tract.
Eye	Corrosive to eyes. Will cause severe irritation and chemical burns. Contamination of eyes can result in permanent injury or blindness.
Skin	Corrosive to skin – may cause skin burns. Contact with skin will result in severe irritation.
Inhalation	Mist generated may cause severe irritation to the mucous membranes and upper respiratory tract.
Chronic Effects	Prolonged or repeated exposure to this product will result in skin irritation and possibly result in dermatitis.
Toxicological Data	None available for DUO PART 1. However for potassium hydroxide... Oral LD 50 : 365mg/kg (rat) Skin 50mg/24H: Severe (human) (Reference: Dangerous Properties of Industrial Materials 7th Edition)

12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available. Do not allow product to come in contact with storm / surface waters.
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13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.

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14. TRANSPORT INFORMATION

UN No.	1814
Proper Shipping Name	POTASSIUM HYDROXIDE SOLUTION
Hazchem Code	2R
Class	8 Corrosive
Packing Group	II

15. REGULATORY INFORMATION

Classification	Poisons Schedule: S6 according to the Poisons Standard March 2016
	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

16. OTHER INFORMATION

Contact Point	Dominant Australia. Phone 08 8245 6900 or 1300 789 852 24 hour medical emergency 13 11 26
Date of preparation	8 th July 2016