

# SAFETY DATA SHEET

## Liquid Dynamite Plus

**Preparation Date:** 25-Aug-2015  
**Revision Number:** 2.1  
**Date of last revision:** 17-Sep-2020

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
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<b>Product Name</b>	Liquid Dynamite Plus
<b>Item#:</b>	AUS54027
<b>Recommended use</b>	Alkaline detergent
<b>Uses advised against</b>	Restricted to professional users

<b>Supplier</b>	DeLaval Pty Ltd 1 Global Drive Westmeadows, VIC 3049 Australia Telephone 61-3-8336-7977
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<b>Emergency Telephone Number</b>	131 126 (Poison Control Centre)
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## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Skin corrosion/irritation - Category 1A  
 Serious eye damage/eye irritation - Category 1  
 Acute aquatic toxicity - Category 1

### 2.2. Label Elements

#### Hazard Pictogram(s)



<b>Name of hazard pictogram(s)</b>	Corrosion, Environment
<b>Signal word</b>	DANGER
<b>Hazard Statements</b>	H314 - Causes severe skin burns and eye damage H400 - Very toxic to aquatic life
<b>Precautionary statements</b>	P102 - Keep out of reach of children P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash hands thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P310 - Immediately call a POISON CENTER/doctor. P363 - Wash contaminated clothing before reuse P501 - Dispose of contents/container in accordance with local regulations

#### Note

Signal words and pictograms are not required on labels for AgVet chemicals.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium hydroxide	1310-73-2	10 - 30%
Water	7732-18-5	> 60%
Sodium Hypochlorite	10022-70-5	1 - 10%
1,2,4-Butanetricarboxylic acid, 2-phosphono-	37971-36-1	1 - 10%
Acrylic resin	9003-01-4	0 - 1%

## 4. FIRST AID MEASURES

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. Get medical attention immediately.

**Skin contact**

Wash off immediately with plenty of water. Get medical attention.

**Inhalation**

Move to fresh air. Get medical attention if symptoms occur.

**Ingestion**

Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

**Effects of overexposure**

No information available

**Indication of any immediate medical attention and special treatment needed**

No information available

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes.

**Protective Equipment and Precautions for Firefighters**

Use personal protective equipment.

**Hazchem Code**

2R

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods for cleaning up**

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

**Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

**Storage**

Keep container tightly closed in a dry and well-ventilated place.

**Incompatible products**

No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

Chemical name	ES-TWA	ES-STEL	ES-Peak
Sodium hydroxide			2 mg/m <sup>3</sup>

#### Biological standards

No biological limit allocated

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas

### Personal Protective Equipment

#### Eye/face Protection

Tightly fitting safety goggles

#### Skin Protection

Long sleeved clothing, Chemical resistant apron, Boots

#### Hand Protection

Neoprene gloves

#### Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

#### General Hygiene Considerations

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Clear

#### Physical state

Liquid

#### Odor

Slight chlorine

#### Odor Threshold

No information available

#### pH

> 12

#### Specific Gravity

1.22

#### Vapor Pressure

No data available

#### Vapor Density

No data available

#### Flash Point

No data available

#### Autoignition Temperature

No data available

#### Boiling Point/Range

No data available

#### Melting Point/Range

No data available

#### Freezing Point/Range

No data available

#### Decomposition temperature

No information available

#### Flammability (solid, gas)

No information available

#### Explosion Limits

No information available

#### Evaporation Rate

No data available

#### Relative Density

No data available

#### Solubility

No information available

#### Partition Coefficient

No data available

#### (n-octanol/water)

#### Viscosity

No information available

## 10. STABILITY AND REACTIVITY

#### Reactivity

No information available

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal use
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials</b>	Acids, organic materials
<b>Hazardous decomposition products</b>	Chlorine

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Inhalation</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Ingestion</b>	No information available.

### **Component Analysis - LD50/LC50**

<b>Chemical name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Sodium hydroxide 1310-73-2	2000 mg/Kg	1350 mg/kg	
Water 7732-18-5	> 90 mL/kg ( Rat )		
Sodium Hypochlorite 10022-70-5	= 8910 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 10500 mg/m <sup>3</sup> ( Rat ) 1 h
1,2,4-Butanetricarboxylic acid, 2-phosphono- 37971-36-1	> 4000 mg/kg ( Rat )	> 4000 mg/kg ( Rat )	> 1979 mg/m <sup>3</sup> ( Rat ) 4 h
Acrylic resin 9003-01-4	= 2500 mg/kg ( Rat )		= 1.71 mg/L ( Rat ) 4 h

### Potential Health Effects

**Skin Corrosion/Irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Mutagenic effects** No information available.

**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Reproductive Effects** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** Not hazardous.

**Aspiration Hazard** No information available.

**Information on likely routes of exposure** No known significant effects or critical hazards

**Early onset symptoms related to exposure (Immediate effects)** None known

**Delayed health effects from exposure** none known

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium hydroxide		LC50 (96 h) 72 mg/L		
1,2,4-Butanetricarboxylic acid, 2-phosphono-	140: 72 h Desmodesmus subspicatus mg/L EC50	500: 48 h Leuciscus idus mg/L LC50 static		265: 24 h Daphnia magna mg/L EC50
Acrylic resin		580: 96 h Lepomis macrochirus mg/L LC50		168: 96 h water flea mg/L EC50

**Persistence and degradability** No information available

**Bioaccumulation/Accumulation** No information available.

**Mobility** Will likely be mobile in the environment due to its water solubility.

**Other adverse effects** No information available

**Biodegradation** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Should not be released into the environment. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

**Contaminated Packaging** Clean container with water. Dispose of in accordance with local regulations.

**Personal precautions** Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8.

## 14. TRANSPORT INFORMATION

### Road and Rail transport

<b>UN-No</b>	1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s ( Sodium hydroxide )
<b>Technical name</b>	Sodium hydroxide
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Environmental hazard</b>	Not regulated
<b>Special Precautions</b>	Not regulated

<b>Hazchem Code</b>	2R
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**IMDG/IMO**

<b>UN-No</b>	No information available
<b>Proper shipping name</b>	No information available
<b>Technical name</b>	No information available
<b>Hazard Class</b>	No information available
<b>Packing Group</b>	No information available
<b>IMDG Marine Pollutant</b>	No information available

**IATA/ICAO**

<b>UN-No</b>	No information available
<b>Proper Shipping Name</b>	No information available
<b>Technical name</b>	No information available
<b>Hazard Class</b>	No information available
<b>Packing Group</b>	No information available

<b>EPG Code</b>	8A1
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15. REGULATORY INFORMATION
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<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	No information available
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<b>Poison Schedule Number</b>	Schedule 6
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<b>APVMA Approval Number</b>	54027
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16. OTHER INFORMATION
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<b>Prepared By</b>	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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<b>Preparation Date:</b>	25-Aug-2015
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<b>Date of last revision:</b>	17-Sep-2020
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<b>Revision Number:</b>	2.1
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<b>Reason for revision</b>	5-Yearly revision (no changes required).
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**Disclaimer**

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**End of SDS**