

# SAFETY DATA SHEET

# Liquid Dynamite Plus

**Preparation Date:** 25-Aug-2015

**Revision Number:** 2.0

**Revision Date:** 16-Feb-2017

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
---

<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
-----------------	---

<b>Emergency Telephone Number</b>	131 126 (Poison Control Centre)
-----------------------------------	---------------------------------

## 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)



#### Name of hazard pictogram(s)

Corrosion, Environment

#### Signal word

DANGER

#### Hazard Statements

H314 - Causes severe skin burns and eye damage  
 H400 - Very toxic to aquatic life

#### Precautionary statements

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

#### General Advice

Show this safety data sheet to the doctor in attendance. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15

	minutes. Get medical attention immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water. Get medical attention.
<b>Inhalation</b>	Move to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	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 Centre immediately.
<b>Effects of overexposure</b>	No information available
<b>Indication of any immediate medical attention and special treatment needed</b>	No information available

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available
<b>Specific hazards arising from the chemical</b>	The product causes burns of eyes, skin and mucous membranes.
<b>Protective Equipment and Precautions for Firefighters</b>	Use personal protective equipment.
<b>Hazchem Code</b>	2R

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for cleaning up</b>	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

<b>Safe Handling Advice</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place.
<b>Incompatible products</b>	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	
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 )		

### Potential Health Effects

<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	Not hazardous.
<b>Aspiration Hazard</b>	No information available.
<b>Information on likely routes of exposure</b>	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

### 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
-----------------	-----

15. REGULATORY INFORMATION
----------------------------

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	No information available
---	--------------------------

<b>Poison Schedule Number</b>	Schedule 6
-------------------------------	------------

<b>APVMA Approval Number</b>	54027
------------------------------	-------

16. OTHER INFORMATION
-----------------------

<b>Prepared By</b>	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
--------------------	--

<b>Preparation Date:</b>	25-Aug-2015
--------------------------	-------------

<b>Revision Date:</b>	16-Feb-2017
-----------------------	-------------

<b>Revision Number:</b>	2.0
-------------------------	-----

<b>Reason for revision</b>	Classification according to GHS.
----------------------------	----------------------------------

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of SDS**