

# SAFETY DATA SHEET

## Hawco Products Ltd.

### NL537 HE Liquid Laundry Detergent with Enzyme

#### 1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

**Identification of Preparation:** NL537 HE Liquid Laundry Detergent with Enzyme.  
**Date of Safety Data Sheet:** June 7 2016  
**Use of Preparation:** Laundry Detergent.  
**Company Identification:** Hawco Products Ltd.  
61 Shaver Street, PO Box 1507,  
Brantford,  
Ontario N3T 5V6

**Company Emergency Telephone Number** 519-759-2443

#### 2. HAZARD IDENTIFICATION

##### Emergency Overview:

##### OSHA / WHMIS 2015 Hazards

Irritant.

##### Classification of substance or mixture

##### GHS-US/Canadian classification:

##### GHS Hazards

Acute Toxicity 4 (Oral) H302

Eye Irritation 2 H319

Skin Irritation 2 H315

##### Label Elements

##### GHS Labeling

##### Hazard Pictograms (GHS):



**Signal Word (GHS):** Warning

##### Hazard Statements (GHS):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

##### Precautionary Statements (GHS):

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

##### Response (GHS):

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Sodium Gluconate	527-07-1	1-5	Eye Irritant Category 2B - H320
Alcohol Ethoxylate	68991-48-0	7-15	Eye Irritation Category 2A – H319
Sodium Citrate	6132-04-3	1-5	Eye Irritation Category 2A – H319
Propylene Glycol	57-55-6	1-5	Eye Irritation Category 2A – H319 Skin Irritant Category 3
Sodium salt of dodecyl benzene sulphonic acid	27176-87-0	1-5	Skin Irritation Category 2A - H315 Eye Damage Category 1 - H318

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms persist consult physician.
<b>Eye Contact:</b>	Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention.
<b>Skin Contact:</b>	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
<b>Ingestion:</b>	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.
<b>Notes to Physician:</b>	Treatment based on judgment of attending physician.

#### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Flood with water for extinguishing agent. CO2, dry chemical, alcohol resistant foam
<b>Unsuitable extinguishing media:</b>	None known.
<b>Special exposure hazards</b>	Thermal decomposition releases irritating gases.
<b>Special safety equipment:</b>	Self-contained positive pressure breathing apparatus and protective clothing.
<b>Fire and explosion</b>	Not flammable. Not an explosive hazard.
<b>Further information</b>	Keep containers and surrounding cool with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

##### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

##### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

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**Emergency Procedures:** Ventilate area.

#### **Environmental Precautions**

Prevent entry to sewers and public waters.

#### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately with absorbent and dispose of waste safely.

#### **Reference to Other Sections**

See Heading 8. Exposure controls and personal protection.

## 7. HANDLING AND STORAGE

#### **Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

#### **Information about fire and explosion protection:**

Keep respiratory protective device available.

No special measures required.

#### **Conditions for safe storage, including any incompatibilities:**

**Storage:** Acids, Oxidizers, reducing agents.

#### **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Protect from humidity.

Unsuitable material for receptacle: steel.

Unsuitable material for receptacle: aluminium.

#### **Information about storage in one common storage facility:**

Do not store together with alkaline products or strong acids.

Store away from oxidizing agents.

Store away from foodstuffs.

#### **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Keep container tightly sealed.

**Specific end use(s)** No further relevant information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory protection:** Use local exhaust or dilution ventilation.

**Hand protection:** Chemical resistant gloves.

**Eye protection:** Safety goggles or full face shield.

**Skin protection:** Use body-covering impervious clothing.

**Working hygiene:** Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

#### **Exposure Guidelines:**

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No data available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odour</b>	Floral sweet.
<b>Appearance</b>	Clear liquid.	<b>Odour Threshold</b>	No data available.
<b>Colour</b>	Blue.	<b>Remarks/Method</b>	
<b>Property</b>	<b>Values</b>		
<b>pH</b>	7.5-8.0	None known	
<b>Melting/Freezing Point</b>	No data available	None known	
<b>Boiling Point/Range</b>	No data available	None known	
<b>Flash Point</b>	Not applicable.	None known	
<b>Evaporation Rate</b>	Similar	None known	
<b>Flammability ( solid, gas)</b>	Not flammable.	None known	
<b>Flammability Limit in Air:</b>			
<b>Upper Limit</b>	No data available	None known	
<b>Lower Limit</b>	No data available	None known	
<b>Vapour Pressure</b>	No data available	None known	
<b>Vapour density</b>	No data available	None known	
<b>Specific Gravity</b>	0.999-1.002 g/cm <sup>3</sup>		
<b>Water Solubility</b>	Soluble in water.	None known	
<b>Solubility Other Solvents</b>	No data available	None known	
<b>Partition Coefficient:</b>			
<b>n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition</b>	No data available	None known	
<b>Temperature</b>			
<b>Kinematic Viscosity</b>	No data available	None known	
<b>Dynamic Viscosity</b>	1200-1400 cps.	None known	
<b>Explosive Properties</b>	No data available	None known	
<b>Oxidizing Properties</b>	No data available	None known	
<b><u>Other Properties:</u></b>			
<b>Softening Point</b>	No data available		
<b>VOC Content %</b>	No data available		
<b>Particle Size</b>	No data available		
<b>Particle Size Distribution</b>	No data available		

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	The substance decomposes on heating, on contact with acids and under influence of light producing toxic and corrosive gases including. The substance is a strong oxidant and reacts with combustible and reducing materials.
<b>Chemical stability</b>	Stable under recommended handling and storage conditions (see section 7).
<b>Thermal decomposition/conditions to avoid:</b>	No decomposition if used and stored according to specifications.
<b>Possibility of hazardous</b>	Hazardous polymerization will not occur.

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#### reactions

<b>Conditions to avoid</b>	Direct sunlight. Extremely high or low temperatures. Contact with metallic substances.
<b>Hazardous decomposition products</b>	Carbon oxides (CO, CO <sub>2</sub> ). Sodium oxides.
<b>Materials to avoid</b>	Metals such as aluminum. Reducing agents. Strong acids.
<b>Hazardous polymerization</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

**Acute toxicity:** Harmful if swallowed.

#### LD/LC50 values relevant for classification:

No data available.

**On the skin:** Causes skin irritation.

**On the eye:** Causes serious eye irritation. Symptoms may include pain, redness, and watering.

**Ingestion:** May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

#### Additional toxicological information:

**Carcinogenicity:**

**Chemical Name** None

**Reproductive Toxicity:** None.

## 12. ECOLOGICAL INFORMATION

**Toxicity:** Not classified

**Persistence and Degradability:** Not available

**Bioaccumulative Potential:** Not available

**Mobility in Soil:** Not available.

#### Other Adverse Effects

**Other Information:** All of the organic components of this product are readily biodegradable.

## 13. DISPOSAL

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.

## 14. TRANSPORTATION INFORMATION

**U.S. Department of Transportation (DOT):** Not regulated.

**Canadian TDG (Road & Rail):** Not regulated.

**Water Transportation (IMO):** Not regulated.

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Air Transportation (IATA): Not regulated.

#### 15. REGULATORY INFORMATION

**Occupational Health & Safety Regulations:**  
**WHMIS Classification:** Class D - Division 2B.



**OSHA & WHMIS:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

#### International Inventories

TSCA	-
DSL/NDSL	-
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

#### HMIS III Rating

Health : 2 Moderate Hazard

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012 and WHMIS 2015)

#### 16. OTHER INFORMATION

**Prepare by:** Technical Department.

**Issuing Date:** June 7, 2016.

#### **Disclaimer:**

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

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Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**End of Safety Data Sheet**