

# SAFETY DATA SHEET

## Hawco Products Ltd. H252 Enviro 40

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

**Identification of Preparation:** H252 Enviro 40  
**Date of Safety Data Sheet:** June 21, 2016  
**Use of Preparation:** Disinfectant.  
**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**

Regulated under Health Canada DIN.

**Classification of substance or mixture**

**GHS-US/Canadian classification:**

**GHS Hazards**

Acute Toxicity Oral 4 H302

Skin Corrosion 1A 1 H314

Serious Eye Damage 1 H318

**Label Elements**

**GHS-US/ Canada Labeling**

**Hazard Pictograms (GHS):**



**Signal Word (GHS):** Danger!

**Hazard Statements (GHS):**

H302 – Harmful if swallowed.

H314 – Causes severe skin burns and eye damage.

H318 – Causes serious eye damage.

**Precautionary Statements (GHS-US):**

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear face protection, protective clothing, protective gloves, and eye protection.

P301+P312+P330: IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

P501: Dispose of contents / container in accordance with local regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Description:** Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion Category 1B - H314
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	1-5	Acute Toxicity Category 4 (Oral) - H302 Serious Eye Damage Category 1 - H318
Sodium Carbonate	497-19-8	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Irritation Category 2A - H315 Eye Irritant Category 2 - H319
EDTA Disodium Dihydrate	6381-92-6	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Irritation Category 2A - H315 Eye Irritant Category 2 - H319
Fatty Alcohol Ethoxylate (C9-C11)	68439-46-3	1-5	Acute Toxicity (Oral) Category 4 - H302 Eye Damage/ Irritation Category 2 - H315

### 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. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

### 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.

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### 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.

**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.

Avoid storage near extreme heat, ignition sources or open flame.

#### 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

**Hand protection:** Chemical resistant gloves.

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

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

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

**Exposure Guidelines:**

No ingredients with exposure limits.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical and Chemical Properties

<u>Property</u>	<u>Values</u>	<u>Odour</u> <u>Odour Threshold</u> <u>Remarks/Method</u>	
<b>Physical State</b>	Liquid		
<b>Appearance</b>	Clear.		
<b>Colour</b>	Green.		
<b>Property</b>	<b>Values</b>	<b>Odour</b>	Typical lemon odour.
		<b>Odour Threshold</b>	No data available.
		<b>Remarks/Method</b>	
<b>pH</b>	6.5-8.0	None known	
<b>Melting/Freezing Point</b>	No data available	None known	
<b>Boiling Point/Range</b>	98 ° C	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>	0.99 g/cm <sup>3</sup>	None known	
<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>	No data available	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

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<b>Reactivity</b>	No data available.
<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 reactions</b>	Hazardous polymerization will not occur.
<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. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

**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

### 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

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### Canadian T.D.G.: Regulated Material

Proper Shipping Name: Disinfectants, liquid, corrosive N.O.S.

Contains (Quaternary Ammonium Compounds)

Hazard Class: 8

ID Number: UN 1760

Packing Group: III

## 15. REGULATORY INFORMATION

### Occupational Health & Safety Regulations:

**WHMIS Classification:** Not regulated.

Health Canada DIN regulated.

**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).

### HMIS III Rating

Health : 3 Hazard

Flammability : 1 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : C

SDS US (GHS HazCom 2012 and WHMIS 2015)

## 16. OTHER INFORMATION

**Prepared By:** Technical Department.

**Issuing Date:** June 21, 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.

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**