

# SAFETY DATA SHEET

## Hawco Products Ltd. H197HT High Temp Rinse Aid

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

**Identification of Preparation:** H197HT High Temp Rinse Aid

**Date of Safety Data Sheet:** May 5, 2020

**Use of Preparation:** Rinse Aid Product.

**Company Identification:** Hawco Products Ltd.  
61 Shaver Road,  
PO Box 1507,  
Brantford, Ontario  
N3T 5V6

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

### 2. HAZARD IDENTIFICATION

**Emergency Overview:**

**OSHA / WHMIS 2015 Hazards**

**Classification of substance or mixture**

**GHS-US/Canadian classification:**

**GHS Hazards**

Serious Eye Damage/Irritation 2A H319

**Label Elements**

**GHS-US/ Canada Labeling**

**Hazard Pictograms (GHS):**



**Signal Word (GHS):** Warning

**Hazard Statements (GHS):**

H319: Causes serious eye irritation.

**Precautionary Statements (GHS):**

P262: Do not get in eyes, on skin or on clothing.

P264: Wash hands thoroughly with plenty of soap and water after handling.

P280: Wear face protection/ eye protection.

**Response Statements (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.

# SAFETY DATA SHEET

## Hawco Products Ltd. H197HT High Temp Rinse Aid

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt.	Classification
Oxirane, methyl-, polymer with oxirane, monodecyl, monoethyl and monoethyl ether	37251-67-5/ 52232-09-4/ 37311-02-7	10-30	Serious Eye Damage/Irritation Category 2A – H319
Propylene Glycol	57-55-6	1-5	Skin Corrosion/Irritation Category 3 – H316 Serious Eye Damage/Eye Irritation Category 2B - H320
Isopropyl Alcohol	67-63-0	1-5	Skin Corrosion/Irritation Category 3 – H316 Serious Eye Damage/Eye Irritation Category 2B - H320

### 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. Get medical attention immediately.
<b>Skin Contact:</b>	Thoroughly wash exposed skin with soap and water.
<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 attention immediately.
<b>Notes to Physician:</b>	Treatment based on judgment of attending physician.

### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).
<b>Unsuitable extinguishing media:</b>	None Known.
<b>Special exposure hazards</b>	None Known.
<b>Special safety equipment:</b>	Self-contained positive pressure breathing apparatus and protective clothing.

### 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:** Stop leak if safe to do so. Ventilate area.

#### Environmental Precautions

Prevent entry to sewers and public waters.

# SAFETY DATA SHEET

## Hawco Products Ltd. H197HT High Temp Rinse Aid

### 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 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:

No special measures required.

### Conditions for safe storage, including any incompatibilities

#### Storage:

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

Store in a cool location.

Protect from humidity and water.

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

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

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:

#### ACGIH TWA (United States, 3/2012).

Isopropyl alcohol 200 ppm

#### OSHA TWA (United States, 6/2010).

Isopropyl alcohol 400 ppm

#### NIOSH REL (United States, 6/2009).

Date: May 5, 2020

SDS: Hawco Products Ltd.H197HT High Temp Rinse Aid.

# SAFETY DATA SHEET

## Hawco Products Ltd. H197HT High Temp Rinse Aid

None

ACGIH None.

**Chemical Safety Report**

**Derived No Effect Levels (DNEL)** Not available

**Predicted No Effect Concentration (PNEC)** Not available

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odour</b>	Typical.
<b>Appearance</b>	Water like viscosity	<b>Odour Threshold</b>	No data available.
<b>Colour</b>	Blue.		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
<b>pH</b>	5.0-7.0	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>	No data available.	None known
<b>Evaporation Rate</b>	No data available.	None known
<b>Flammability (solid, gas)</b>	No data available.	None known
<b>Flammability Limit in Air:</b>	No data available.	None known
<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>	1.00 g/cm <sup>3</sup>	None known
<b>Water Solubility</b>	100 %	None known
<b>Solubility Other Solvents</b>	No data available.	None known
<b>Partition Coefficient:</b>	No data available.	None known
<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

#### **Other Properties:**

<b>Softening Point</b>	Not applicable.
<b>VOC Content %</b>	No data available.
<b>Particle Size</b>	Not applicable.
<b>Particle Size Distribution</b>	Not applicable

### 10. STABILITY AND REACTIVITY

**Reactivity** No specific test data related to reactivity available for this product or its

# SAFETY DATA SHEET

## Hawco Products Ltd. H197HT High Temp Rinse Aid

<b>Chemical stability</b>	ingredients. 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.
<b>Hazardous decomposition products</b>	Carbon oxides (CO, CO <sub>2</sub> ).
<b>Materials to avoid</b>	Reducing agents. Strong acids.
<b>Hazardous polymerization</b>	Will not occur

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:** Inhalation, eye contact, skin contact

#### Product Information:

<b>Inhalation</b>	Specific test data for substance/mixture not available.
<b>Eye Contact</b>	Slight irritation.
<b>Skin Contact</b>	Specific test data for substance/mixture not available.
<b>Ingestion</b>	Specific test data for substance/mixture not available.

#### **Component Information**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Oxirane, methyl-, polymer with oxirane, monodecyl, monohexyl and monooctyl ether	>2000 mg/Kg Oral/ Rat	>20,000 mg/Kg Skin Rabbit	>200mg/L 1 Hr Rat
Isopropyl Alcohol	4,396 mg/Kg Oral/ Rat	12,870 mg/Kg Skin Rabbit	19,000 ppm 8 Hr Rat
Propylene Glycol	20,000mg/Kg Oral/ Rat	20,800mg/Kg Skin Rabbit	No data available

**Information on Toxicological Effects:** No data available.

**Symptoms** No data available.

#### **Delayed/Immediate/Chronic Effects from short and long-term exposure:**

<b>Sensitization</b>	No data available.
<b>Mutagenic Effects</b>	No data available.
<b>Carcinogenicity</b>	No data available.
<b>Reproductive Toxicity</b>	No data available.
<b>STOT- Single Exposure</b>	No data available.
<b>STOT Repeated exposure</b>	No data available.
<b>Chronic Toxicity</b>	No data available.
<b>Target Organ Effects</b>	No data available.
<b>Numerical Measures of Toxicity (based on GHS Chapter 3.1)</b>	No data available.

# SAFETY DATA SHEET

## Hawco Products Ltd. H197HT High Temp Rinse Aid

### 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Not classified
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	
<b>Air</b>	No data available.
<b>Soil</b>	Readily absorbed into soil
<b>Water</b>	Soluble in water.
<b>Mobility in Soil:</b>	Not available.
<b>Other Adverse Effects</b>	
<b>Other Information:</b>	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

**Canadian TDG (Road & Rail):** Not Regulated

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

**Water Transportation (IMO):** Not Regulated

**Air Transportation (IATA):** Not Regulated

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### 15. REGULATION

**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

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	-
<b>PICCS</b>	-

# SAFETY DATA SHEET

## Hawco Products Ltd. H197HT High Temp Rinse Aid

AICS

Complies

### Legend:

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### HMIS III Rating

Health: 1 Minimal Hazard

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015)

## 16. OTHER INFORMATION

**Prepared By:** Technical Department.

**Issuing Date:** June 29, 2017

**Revision Date:** May 5, 2020

**Revision Notes:** General format updates, Section 3 Composition – Classifications expanded, Section 15 Regulation – WHMIS Classification, Inventories and US Regulations added.

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.