SAFETY DATA SHEET
DIAMOND PRODUCTS – HD57 Oxygen Destainer

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

Identification of Preparation: HD57 Oxygen Destainer
Date of Safety Data Sheet: May 25, 2017
Use of Preparation: Oxygen Bleach.
Company Identification: Hawco Products Ltd./ Diamond Products
61 Shaver Street, 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:
Acute Toxicity Category 4 (Oral) - H302
Skin Irritation Category 2 - H315
Serious Eye Damage Category 1 - H318
Label Elements
GHS Labeling
Hazard Pictograms (GHS):

Signal Word (GHS): Danger
Hazard Statements (GHS):
H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
Precautionary Statements (GHS):
P221: Take any precaution to avoid mixing with combustibles.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response Statements (GHS):
P301+P310+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt	Classification
Hydrogen Peroxide	7722-84-1	15	Acute Toxicity Category (Oral) 4 - H302 Skin Corrosion / Irritation Category 2 - H315 Serious Eye Damage / Eye Irritation Category 1- H318

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician.

Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Ingestion: 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.

Notes to Physician: Treatment based on judgment of attending physician. Hydrogen peroxide at these concentrations is a strong oxidant. Direct contact with the eye is likely to cause corneal damage especially if not washed immediately. Careful opthalmologic evaluation is recommended and the possibility of local corticosteroid therapy should be considered. Because of the likelihood of corrosive effects on the gastrointestinal tract after ingestion, and the unlikelihood of systemic effects, attempts at evacuating the stomach via emesis induction or gastric lavage should be avoided. There is a remote possibility, however, that a nasogastric or orogastric tube may be required for the reduction of severe distension due to gas formation.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Flood with water for extinguishing agent. CO2 may provide limited control.

Unsuitable extinguishing media: Do not use dry chemicals or foams.

Special exposure hazards Oxidizing substances can be decomposed by water and direct sources of heat. Decomposition releases oxygen which can support combustion.

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion Not flammable. Not an explosive hazard.
Further information 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 dust.
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 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 dust.
Information about fire - and explosion protection:
Keep respiratory protective device available.
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.
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 or solvents.
Store away from reducing 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. If dust present use approved dust mask.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles.
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:

Hydrogen Peroxide: British Columbia, Quebec, Ontario and Alberta

TWA: 1 ppm TWA: 1.4 mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid		
Appearance	Clear	**Odour**	Typical.
Colour	Colourless.	**Odour Threshold**	No data available.

Property	**Values**	**Remarks/Method**
pH	< 3.7	None known
Melting/Freezing Point	No data available	None known
Boiling Point/Range	No data available	None known
Flash Point	Not applicable.	None known
Evaporation Rate	Similar	None known
Flammability (solid, gas)	Not flammable	None known
Flammability Limit in Air:		
Upper Limit	No data available	None known
Lower Limit	No data available	None known
Vapour Pressure	No data available	None known
Vapour density	No data available	None known
Specific Gravity	1.13 g/cm3	
Water Solubility	Soluble in water.	None known
Solubility Other Solvents	No data available	None known
Partition Coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No date available	None known

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity	Stable.
Chemical stability	Stable under recommended handling and storage conditions (see section 7).
Thermal decomposition/conditions to avoid:	Self accelerating decomposition with oxygen release starting at 50 C.
Possibility of hazardous reactions	Contact with acids releases toxic gases. Reacts with alkali, metals and reducing agents.
Conditions to avoid	Store away from reducing agents, water, acids, bases salts of heavy metals, organic materials, flammable substances wood sawdust.
Hazardous decomposition	Oxygen. Contamination with many substances will cause decomposition. The rate

products	of decomposition increases with increasing temperature and may be very vigorous with rapid generation of oxygen and steam at high temperatures of 50 C or more.
Materials to avoid	Warning! Do not use together with other products other than directed on the product label.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity:
LD/LC50 values relevant for classification:
Hydrogen Peroxide CAS # 7722-84-1:
LD50 Oral Rat: 1200 mg/kg
LD50 Dermal Rabbit: Min 2000 mg/kg
Primary irritant effect:
on the skin: Caustic effect on mucous membranes.
on the eye: Strong caustic or abrasive effect.
Sensitization: No sensitizing effects known.
Additional toxicological information: The product shows the following dangers according to the calculation method:
Corrosive
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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:	Avoid release to the environment.

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 T.D.G.: Regulated Material
Proper Shipping Name: Hydrogen Peroxide, Aqueous Solutions
Contains: N/A
Hazard Class: 5.1
ID Number: UN 2984
Packing Group: II

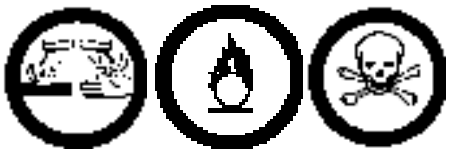
U.S. Department of Transportation (DOT): Regulated material
Proper Shipping Name: Hydrogen Peroxide, Aqueous Solutions
Contains: N/A
Hazard Class: 5.1
ID Number: UN 2984
Packing Group: II

Water Transportation (IMDG): Regulated Material
Proper Shipping Name: Hydrogen Peroxide, Aqueous Solutions
Contains: N/A
Hazard Class: 5.1
ID Number: UN 2984
Packing Group: II

Air Transportation (IATA): Regulated Material
Not permitted as containers are vented and vented containers are not permitted.

15. REGULATION

Occupational Health & Safety Regulations:
WHMIS 1988 Classification: C, D1B, E



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

EPA TSCA Inventory Appears.

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

HMIS III Rating

Health: 3 Hazard

Flammability: 0 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: May 25, 2017

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