

# SAFETY DATA SHEET

## Diamond Products Division of Hawco Products Ltd. HDA1 Duty Plus Fryer Cleaner.

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

**Identification of Preparation:** HDA1 Duty Plus Fryer Cleaner

**Date of Safety Data Sheet:** January 14, 2018.

**Use of Preparation:** Cleaner.

**Company Identification:** Diamond Products Division of Hawco Products Ltd.  
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**

Corrosive to Metals and Eyes.

**Classification of substance or mixture**

**GHS-US/Canadian classification:**

**GHS Hazards**

Corrosive to Metals Category 1 H290

Acute Toxicity (Oral) Category 4 H302

Skin Corrosive Category 1A H314

Eye Damage Category 1 H318

**Label Elements**

**GHS-US/ Canada Labeling**

**Hazard Pictograms (GHS):**



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

**Hazard Statements (GHS):**

H290: May be corrosive to metals.

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage

**Precautionary Statements (GHS):**

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P102: Keep out of reach of children.

P260: Do not breathe mist, spray, and vapours.

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

#### Response Statements (GHS):

P301+P310+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately contact a poison control centre.

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

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

P315: Get immediate medical advice/attention.

P363: Wash contaminated clothing before re-use.

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Description:** Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Sodium Carbonate	497-19-8	15-30	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion/Irritation Category 2 - H315 Serious Eye Damage/Eye Irritation Category 2A - H319
Sodium Metasilicate	6834-92-0	15-40	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion/Irritation Category 1A - H314 Serious Eye Damage/Eye Irritation Category 1 - H318
Sodium Tripoly Phosphate	7758-29-4	1-5	Skin Corrosion/Irritation Category 2 - H315 Serious Eye Damage/Irritation Category 1 - H318
Sodium Hydroxide	1310-73-2	15-40	Corrosive to Metals Category 1 - H290 Acute Toxicity Category 2 (Oral) - H300 Skin Corrosion/Irritation Category 1A - H314 Serious Eye Damage/Eye Irritation Category 1 - H318 Aquatic Hazard (Acute) Category 3 - H402

### 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. Repeat if required. If irritation persists, get medical attention.

**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

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directed by medical personal. Never give anything to an unconscious person. Get medical aid.

**Notes to Physician:**

Treatment based on judgment of attending physician.

#### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	As per surrounding fire.
<b>Unsuitable extinguishing media:</b>	No information available.
<b>Special exposure hazards</b>	Fire or excessive heat may produce hazardous decomposition products.
<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 mist or 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 by sweeping up 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 mist.

##### **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.

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

Do not store together with acid products.

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.

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Keep container tightly sealed.

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

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Respiratory protection:</b>	Use local exhaust or dilution ventilation.
<b>Hand protection:</b>	Chemical resistant gloves.
<b>Eye protection:</b>	Safety goggles.
<b>Skin protection:</b>	Use body-covering clothing.
<b>Working hygiene:</b>	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

#### Exposure Guidelines:

Source Material	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
Sodium Carbonate		15 mg/m <sup>3</sup> 8 hr (dust)		
Sodium Metasilicate		10 mg/m <sup>3</sup> 8 hr		
Sodium Hydroxide		2 mg/m <sup>3</sup> 8 hr		

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical and Chemical Properties

<b>Physical State</b>	Powder	<b>Odour</b>	Typical.
<b>Appearance</b>	Free Flowing.	<b>Odour Threshold</b>	No data available.
<b>Colour</b>	Yellow.	<b>Remarks/Method</b>	
<b>Property</b>	<b>Values</b>		
<b>pH 1 %</b>	13.5 ± 0.5	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>	No data available	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>Bulk Density</b>	0.98-1.00 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 Temperature</b>	No data available	None known	
<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	

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**Oxidizing Properties**                No data 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 at normal ambient temperature and pressure.  
**Chemical stability**                No decomposition if stored and applied as directed.  
**Thermal decomposition/conditions to avoid:**        Stable under normal conditions.  
**Possibility of hazardous reactions**    Reacts with acids. Reacts with reducing and oxidizing agents.  
**Conditions to avoid**                Store away from reducing agents, water, acids, and acid salts of heavy metals, organic materials and flammable substances.  
**Hazardous decomposition products**    Acids, oxidizing and reducing agents.  
**Materials to avoid**                Oxides of carbon.  
**Hazardous polymerization**        Will not occur

#### 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification**

**Routes of Entry** Inhalation, ingestion, eye or skin

**Sodium Carbonate CAS # 497-19-8:**

LD 50 (Oral) Rat 4,090 mg/Kg

LC 50 (Inhalation) 2300 mg/m<sup>3</sup> (Rat) 2 Hrs.

**Sodium Metasilicate CAS # 6834-92-0:**

LD 50 (Oral) 1,280 mg/Kg

**Sodium Hydroxide CAS #1310-73-2**

LD 50 (Oral) 140-340 mg/kg

**Carcinogenicity:**

Chemical Name	ACGIH	IARC	NTP	OSHA
Not classified.				

**IARC: (International Agency for Research on Cancer)**

No ingredients listed

**Chronic Effects:**

**Mutagenicity:** No evidence of a mutagenic effect.

**Teratogenicity:** No evidence of a teratogenic effect (birth defect).

**Sensitization:** No evidence of a sensitization effect.

**Reproductive:** No evidence of negative reproductive effects.

**Target Organ Effects:**

**Acute:** No information available

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### 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Not classified
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available.
<b>Other Adverse Effects</b>	None Known.
<b>Other Information:</b>	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 (quantity under 1 Kg can be shipped Limited Quantity)**

Proper Shipping Name: Corrosive Solid, N.O.S.  
Contains: Sodium Hydroxide, Sodium Metasilicate  
Hazard Class: 8  
ID Number: UN 1759  
Packing Group: II



**US DOT: Regulated Material**

Proper Shipping Name: Corrosive Solid, N.O.S.  
Contains: Sodium Hydroxide, Sodium Metasilicate  
Hazard Class: 8  
ID Number: UN 1759  
Packing Group: II



**Water Transportation (IMDG): Regulated Material**

Proper Shipping Name: Corrosive Solid, N.O.S.  
Contains: Sodium Hydroxide, Sodium Metasilicate  
Hazard Class: 8  
ID Number: UN 1759  
Packing Group: II

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### Air Transportation (IATA): Regulated Material

Proper Shipping Name: Corrosive Solid, N.O.S.

Contains: Sodium Hydroxide, Sodium Metasilicate

Hazard Class: 8

ID Number: UN 1759

Packing Group: II



## 15. REGULATION

### Occupational Health & Safety Regulations:

WHMIS 1988 Classification: Class D - Division 2B Class 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	-
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

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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: 3 Hazard

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS US (GHS HazCom 2012) SDS Canada (GHS WHMIS 2015)

#### 16. OTHER INFORMATION

**Prepared By:** Technical Department.

**Issuing Date:** January 14, 2018.

##### **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**