

SAFETY DATA SHEET

Hawco Products Ltd. W100 Fri Kleen.

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

Identification of Preparation: W100 Fri Kleen
Date of Safety Data Sheet: June 6, 2018.
Use of Preparation: Cleaner
Company Identification: 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
Classification of substance or mixture
GHS-US/Canadian classification:
GHS Hazards
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):

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage

Precautionary Statements (GHS):

P102: Keep out of reach of children.

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

P264: Wash hands, forearms, and exposed areas thoroughly after handling.

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.

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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 Metasilicate	6834-92-0	30-60	Acute Toxicity (Oral) Category 4 - H302 Skin Corrosion/Irritation Category 1A - H314 Serious Eye Damage/Eye Irritation Category 1 - H318
Sodium Tripoly Phosphate	7758-29-4	30-60	Skin Corrosion/Irritation Category 2 - H315 Serious Eye Damage/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. 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 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

Suitable extinguishing media:	As per surrounding fire.
Unsuitable extinguishing media:	No information available.
Special exposure hazards	Fire or excessive heat may produce hazardous decomposition products.
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 mist or dust.

For Non-Emergency Personnel

Date: June 5, 2018

SDS: Hawco Products Ltd W100 Fri Kleen.

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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.

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.

Skin protection: Use body-covering clothing.

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

Exposure Guidelines:

Source Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Sodium Metasilicate		10 mg/m ³ 8 hr		

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Powder	Odour	Typical.
Appearance	Free Flowing.	Odour Threshold	No data available.
Colour	White	Remarks/Method	
Property	Values		
pH 1 %	13.5 ± 0.5	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	No data available	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	
Bulk Density	0.98-1.00 g/cm ³		
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	No data available	None known	
Temperature			
Kinematic Viscosity	No data available	None known	
Dynamic Viscosity	No data available	None known	
Explosive Properties	No data available	None known	
Oxidizing Properties	No data available	None known	
<u>Other Properties:</u>			
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

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11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification

Routes of Entry: Inhalation, ingestion, eye or skin.

Sodium Metasilicate CAS # 6834-92-0:

LD 50 (Oral) 1,280 mg/Kg

On the skin: Causes burns or serious skin irritation.

On the eye: Causes serious eye damage. 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.

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

12. ECOLOGICAL INFORMATION

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

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

Contains: Sodium Metasilicate

Hazard Class: 8

ID Number: UN 1759

Packing Group: II

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US DOT: Regulated Material

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

Contains: 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 Metasilicate

Hazard Class: 8

ID Number: UN 1759

Packing Group: II



Air Transportation (IATA): Regulated Material

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

Contains: Sodium Metasilicate

Hazard Class: 8

ID Number: UN 1759

Packing Group: II



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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	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

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)

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16. OTHER INFORMATION

Prepared By: Technical Department.

Issuing Date: June 5, 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