

SAFETY DATA SHEET

Hawco Products Ltd. H330 Astrodet.

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

Identification of Preparation: H330 Astrodet.
Date of Safety Data Sheet: February 10, 2018
Use of Preparation: Cleaner.
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

Classification of substance or mixture

GHS-US/Canadian classification:

GHS Hazards

Acute Toxicity (Oral) Category 4 H302

Skin Irritation Category 2 H315

Eye Irritation Category 2A H319

Label Elements

GHS Labelling

Hazard Pictograms (GHS):



Signal Word (GHS): Warning

Hazard Statements (GHS):

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary Statements (GHS):

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements (GHS):

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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. H330 Astrodet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Ethylene Glycol Monobutyl Ether	111-76-2	5-10	Flammable Liquids Category 4 – H227 Skin Corrosion / Irritation Category 2 – H315
Sodium salt of dodecyl benzene Sulphonic acid	27176-87-0	5-10	Skin Corrosion / Irritation Category 2 – H315 Serious Eye Damage/Eye Irritation Category 1 – H318
Sodium Tripoly Phosphate	7758-29-4	1-5	Serious Eye Damage/Eye Irritation Category 1 – H318 Skin Corrosion / Irritation Category 2 – H315
Fatty Alcohol Ethoxylate	681-48-0	1-5	Serious Eye Damage/Eye Irritation Category 2B - H320

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:	Flood with water for extinguishing agent. CO2, dry chemical, alcohol resistant foam
Unsuitable extinguishing media:	None known.
Special exposure hazards	Thermal decomposition releases irritating gases.
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 vapour or mist.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

SAFETY DATA SHEET

Hawco Products Ltd. H330 Astrodet.

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.

Information about storage in one common storage facility:

Do not store together with oxidizer or strong acids.

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: No data available.

SAFETY DATA SHEET

Hawco Products Ltd. H330 Astrodet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<u>Physical State</u>	Liquid	<u>Odour</u>	Typical.
<u>Appearance</u>	Clear liquid.	<u>Odour Threshold</u>	No data available.
<u>Colour</u>	Blue	<u>Remarks/Method</u>	
<u>Property</u>	<u>Values</u>		
pH	11.49	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	1.00-1.01 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	

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:	No decomposition if used and stored according to specifications.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures.
Hazardous decomposition products	Carbon oxides (CO, CO ₂). Sodium oxides.
Materials to avoid	None known.
Hazardous polymerization	Will not occur

SAFETY DATA SHEET

Hawco Products Ltd. H330 Astrodet.

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.

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

Reproductive Toxicity: 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

Canadian TDG (Road & Rail): Not regulated.

U.S. Department of Transportation (DOT): Not regulated.

Water Transportation (IMO): Not regulated.

Air Transportation (IATA): Not regulated.

15. REGULATORY INFORMATION

Occupational Health & Safety Regulations:

WHMIS 1988 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).

SAFETY DATA SHEET

Hawco Products Ltd. H330 Astrodet.

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	Complies
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: 2 Moderate Hazard

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepare by: Technical Department.

Issuing Date: February 10, 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.

Date: February 10, 2018

SDS: Hawco Products Ltd. H330 Astrodet

SAFETY DATA SHEET

Hawco Products Ltd. H330 Astrodet.

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