

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

Identification of Preparation: HD31 CRYSTAL CLEAR PLUS

Date of Safety Data Sheet: 11 August 2016

Use of Preparation: Rinse Aid Product.

Company Identification: Diamond Products/ Hawco Products Ltd.
61 Shaver Street, PO Box 1507,
Brantford, Ontario N3T 5V6

CANUTEC Emergency Number: 613-996-6666

2. HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS Canada)

Physical hazards

Not Classified

Health hazards

The product contains no substances which at given concentration, are considered hazardous to health.

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS):

None

Signal Word (GHS) : None

Hazard Statements (GHS) :

None

Precautionary Statements (GHS) :

None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description:

Chemical blend

Ingredient	CAS #	% by Wt	Classification
Ethoxylated polyoxypropylene	9003-11-6	15-35	Not hazardous.
Propylene Glycol	57-55-6	1-5	Skin Irritation cat 3 Eye Irritation cat 2B
Isopropyl Alcohol	67-63-0	1-5	Skin Irritation cat 3 Eye Irritation cat 2B

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms persist consult physician.
Eye Contact:	Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact:	Thoroughly wash exposed skin with soap and water.
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 attention immediately.
Notes to Physician:	Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).
Unsuitable extinguishing media:	None Known.
Special exposure hazards	None Known.
Special safety equipment:	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.

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



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).

None

ACGIH None.

Chemical Safety Report

Derived No Effect Levels (DNEL) Not available

Predicted No Effect Concentration (PNEC) Not available

Respiratory protection:

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State

Liquid

Appearance

Water like viscosity

Odour

Typical.

Colour

Light amber to clear

Odour Threshold

No data available.

Property

Values

pH

5.0-7.0

Melting/Freezing Point

No data available.

Boiling Point/Range

No data available.

Flash Point

No data available.

Evaporation Rate

No data available.

Flammability (solid, gas)

No data available.

Flammability Limit in Air:

No data available.

Upper Limit

No data available.

Lower Limit

No data available.

Vapour Pressure

No data available.

Vapour density

No data available.

Specific Gravity

1.000

Water Solubility

100 %

Solubility Other Solvents

No data available.

Partition Coefficient:

No data available.

n-octanol/water

No data available.

Autoignition temperature

No data available.

Decomposition

No data available.

Temperature

Kinematic Viscosity

No data available.

Dynamic Viscosity

No data available.

Explosive Properties

No data available.

Oxidizing Properties

No data available

Other Properties:

Softening Point

Not applicable.

VOC Content %

No data available.

Particle Size Not applicable.
Particle Size Distribution Not applicable

10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Direct sunlight. Extremely high or low temperatures.
Incompatible Materials: Reducing agents. Strong acids.
Hazardous Decomposition Products: Carbon oxides (CO, CO₂).

11. TOXICOLOGICAL INFORMATION

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

Product Information

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

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethoxylated Polyoxypropylene	>2000 mg/Kg Oral/ Rat	>20000 mg/Kg Skin Rabbit	No data available
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:

Sensitization No data available.
Mutagenic Effects No data available.
Carcinogenicity No data available.
Reproductive Toxicity No data available.
STOT- Single Exposure No data available.

STOT Repeated exposure	No data available.
Chronic Toxicity	No data available.
Target Organ Effects	No data available.
Numerical Measures of Toxicity (based on GHS Chapter 3.1)	No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available.
Mobility No data available.
Persistence and Degradability
Air No data available..
Soil Readily absorbed into soil.
Water Soluble in water.
Bioaccumulation Not expected to bioaccumulate.
Biodegradation Readily biodegradable
Environmental adverse effects No data available.

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

Transportation of dangerous goods act Canada.

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.

Classification

TDG Proper shipping name	Class	Packing group
NOT REGULATED.		

15. REGULATION

WHMIS-symbols:

None- Not regulated

16. OTHER INFORMATION

HMIS III Rating

Health: 0

Flammability: 0

Physical: 0

Personal Protection: B

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.