

**Safety Data Sheet: ORCAN Window Cleaner**

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**Section 1: IDENTIFICATION**

**Product Name:** ORCAN Window Cleaner

**Company:** ORCAN Solutions Inc.  
Unit C 508 – 11 Avenue  
Nisku AB Canada T9E 7N9

**Telephone:** 780-955-1028  
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**Emergency Phone:** 1-855-955-1028

**Recommended Use:** See Technical Data Sheet

**Restrictions on Use:** See Technical Data Sheet

**Section 2: HAZARDS IDENTIFICATION**

This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29CFR 1910.1200).

*OSHA HCS 2012*

*Label Elements*

**Signal Word:** None

**Hazard Symbol(s)/Pictogram(s):** None required

**Hazard Statements:** None

**Precautionary Statements:** Caution: Keep Out of Reach of Children.

**Hazards Not Otherwise Classified (HNOC):** None

**Other Information:** None Known

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	<90%*
Ethoxylated Alcohol	68439-50-9	< 1%*
Ethoxylated Alcohol	68-131-39-5	< 1%*
Tetrasodium N,N-bis(carboxymethyl)-L-glutamate	51981-21-6	> 1%*
Ethanolamine	141-43-5	< 1%*
Amphoteric Surfactant	61789-40-0	< 1%*
Dipropylene Glycol Monomethyl Ether	34590-94-8	< 1%*

*\*specific percentages of composition are being withheld as a trade secret*

**Section 4: FIRST-AID MEASURES**

**Inhalation:** Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.

**Skin Contact:** Mild skin irritant. If adverse effect occurs, rinse skin with water.

**Eye Contact:** Moderate eye irritant. If adverse effect occurs, flush eyes with water.

**Ingestion:** Do not induce vomiting. Drink plenty of water to dilute. Seek Medical Attention.

**Most important Symptoms/Effects, Acute and Delayed:** None known

**Indication of Immediate Medical Attention and Special Treatment Needed, if necessary:** Treat symptomatically

## Section 5: FIRE-FIGHTING MEASURES

**Suitable & Unsuitable Extinguishing Media:** Use dry chemical, CO<sub>2</sub>.

**Specific Hazards Arising from Chemical:** In event of fire, fire created carbon oxides may be formed.

**Special Protective Actions for Fire-Fighters:** Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

*This product is non-flammable. See Section 9 for Physical Properties.*

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** Avoid contact with eyes.

**Environmental Precautions:** Concentrate should be diluted before disposal.

**Methods and Materials for Containment and Clean Up:** Small spills can be flushed into normal drainage with copious amounts of water. Large spills should be contained by diking or taken up with absorbent material and held for disposal.

## Section 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Ensure adequate ventilation. Keep out of reach of children.

**Conditions for Safe Storage including incompatibilities:** Keep container tightly closed. Keep in cool dry area. Store at temperatures above 60 F and below 120 F. If separation occurs, mix the product for reconstitution.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Appropriate Engineering Controls:** Showers, eyewash stations, ventilation systems

**Individual Protection Measures / Personal Protective Equipment (PPE):**

**Eye Contact:** Use protective glasses or safety goggles if splashing or spray-back is likely.

**Respiratory:** Use in well ventilated areas or local exhaust ventilations when cleaning in small spaces.

**Skin Contact:** Use protective gloves (any material) when used for prolonged periods or dermally sensitive.

**General Hygiene Considerations:** Wash thoroughly after handling and before eating or drinking.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colorless Liquid	<b>Partition Coefficient: n-octanol/water:</b>	Not determined
<b>Odor:</b>	Characteristic	<b>Autoignition Temperature:</b>	Non-flammable
<b>Odor Threshold:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>pH ASTM D-1293:</b>	12.0-13.0	<b>Viscosity:</b>	Like water
<b>Freezing Point ASTM D-1177:</b>	0-33.3 °C (32-38 °F)	<b>Specific Gravity ASTM D-891:</b>	
<b>Boiling Point &amp; Range ASTM D-1120:</b>	100 °C (212 °F)	<b>Flash Point ASTM D-93:</b>	>212 °F
<b>Evaporation Rate ASTM D-1901:</b>	Same as Water		
<b>Flammability (solid, gas):</b>	Not Applicable		
<b>Upper/Lower Flammability or Explosive Limits:</b>	Not Applicable	<b>VOC Composite Partial Pressure:</b>	Not determined
<b>Vapor Pressure ASTM D-323:</b>	N/A	<b>Relative Density ASTM D-4017:</b>	
<b>Vapor Density:</b>	Not determined	<b>Solubility:</b>	100% in water

## Section 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	Non-reactive.
<b>Chemical Stability:</b>	Stable under normal conditions
<b>Possibility of Hazardous Reactions:</b>	None known.
<b>Conditions to Avoid:</b>	Excessive heat or cold.
<b>Incompatible Materials:</b>	Do not mix oxidizers or other reactive materials
<b>Hazardous Decomposition Products:</b>	Normal products of combustion – CO,CO <sub>2</sub>

## Section 11: TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Inhalation -	Overexposure may cause headache.
	Skin Contact -	None irritant, repeated contact may cause dry skin.
	Eye Contact -	Mild irritant, redness and pain may develop.
	Ingestion -	May cause upset stomach and diarrhea.

*Symptoms related to the physical, chemical and toxicological characteristics:* no symptoms expected under normal use conditions.  
*Delayed and immediate effects and or chronic effects from short term exposure:* no symptoms expected under normal use conditions.  
*Delayed and immediate effects and or chronic effects from long term exposure:* Not known  
*Interactive effects:* Not known.

### Numerical Measures of Toxicity

<b>Acute Toxicity:</b>	Oral LD <sub>50</sub> (rat)	>5 g/kg body weight
	Dermal LD <sub>50</sub> (rabbit)	>5 g/kg body weight

Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labeling of Chemicals

<b>Skin Corrosion/Irritation:</b>	Non-irritant.
<b>Eye Damage/Irritation:</b>	Minimal irritant

## Section 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not available
<b>Aquatic:</b>	Not available
<b>Terrestrial:</b>	Not tested on finished formulation.
<b>Persistence and Degradability:</b>	Readily Biodegradable
<b>Bio accumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>Other Adverse Effects:</b>	No data available.

## Section 13: DISPOSAL CONSIDERATIONS

**Unused or Used Liquid:** May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

**Empty Containers:** May be offered for recycling.

Never dispose of used rinses into lakes, streams, and open bodies of water.

## Section 14: TRANSPORT INFORMATION

<b>U.N. Number:</b>	Not applicable	<b>U.N. Proper Shipping Name:</b>	Cleaning Compound, Liquid NIO
<b>Transport Hazard Class(es):</b>	Not applicable	<b>NMFC Number:</b>	
<b>Packing Group:</b>	Not applicable	<b>Class:</b>	55
<b>Environmental Hazards:</b>	Marine Pollutant – NO		
<b>Transport Hazard Classes:</b>			
<b>U.S. (DOT) / Canadian TDG:</b>	Not Regulated for shipping.	<b>ICAO/IATA:</b>	Not classified as Hazardous.
<b>IMO/IDMG:</b>	Not classified as Hazardous.	<b>ADR/RID:</b>	Not classified as Hazardous.
<b>Special precautions for user:</b>	None known		

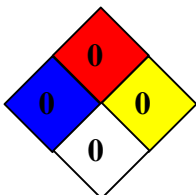
## Section 15: REGULATORY INFORMATION

<b>All components are listed on:</b>	TSCA and DSL inventory.
<b>SARA Title III:</b>	Sections 311/312 Hazard Categories – Not applicable. Section 313 Superfunds Amendments and Reauthorizations Act of 1986 – Not applicable. Section 302 – Not applicable.
<b>Clean Air Act (CAA):</b>	Not Applicable.
<b>Clean Water Act (CWA):</b>	Not Applicable.
<b>State Right To Know Lists:</b>	No Ingredients listed.
<b>California Proposition 65:</b>	No Ingredients listed.

## Section 16: OTHER INFORMATION

<b>NFPA:</b>	
Flammability – Non-flammable	Special – None
Health – None	Stability – Stable

<b>Health</b>	0
<b>Fire Hazard</b>	0
<b>Reactivity</b>	0
<b>Special</b>	0



### Rating Scale

0 = minimal    1 = slight  
2 = moderate    3 = serious  
4 = severe

### Acronyms

NTP	National Toxicology Program	IARC	International Agency for Research on Cancer
OSHA	Occupational Safety and Health Administration	CPSC	Consumer Product Safety Commission
TSCA	Toxic Substances Control Act	DSL	Domestic Substances List

Prepared / Revised By:

**ORCAN Solutions Inc, Regulatory Affairs Department**

**DISCLAIMER:** The information provided in this Safety Data Sheet is correct to the best knowledge, information and belief at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.