



SAFETY DATA SHEET

Crystal Clear (Ready To Use)

SECTION 01: IDENTIFICATION

Product identifier CRYSTAL CLEAR (READY TO USE)
Other means of identification #4810
Recommended use Glass and surface cleaner
Recommended restrictions Reserved for industrial and professional use.
Manufacturer
Company name Crown Chemical Manufacturing Inc **Supplier's Name**
Address 106 Vulcan Street **Supplier's Address**
Toronto, Ontario
M9W 1L2
Emergency Tel: (905) 564-0904

SECTION 02: HAZARD(S) IDENTIFICATION

Hazard Classification

Acute Toxicity: Oral Category 4
Serious Eye Damage/Eye Irritation Category 2A

Label elements



Signal Word Warning

Hazard Statement H302 Harmful if swallowed.
H319 Causes serious eye irritation.

Precautionary Statement P264 Wash skin thoroughly after handling.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P314 Get medical advice/attention if you feel unwell.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
Isopropyl Alcohol	67-63-0	5-10
2-Butoxyethanol	111-76-2	1-5

SECTION 04: FIRST-AID MEASURES

Inhalation Remove to fresh air. Get medical attention if symptoms occur.



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Skin contact	Wash with soap and water.
Eye	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Most important symptoms/effects, acute and delayed	See Section 11 for more detailed information on health effects and symptoms.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media	CO2, dry foam, water
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not flammable or combustible.
Special protective equipment and precautions for firefighters	Wear full protective equipment including a self-contained breathing apparatus.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as indicated in Section 08.

Methods and materials for containment and cleaning up

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling	Do not get in eyes. Wash hands thoroughly after handling.
Conditions for safe storage	Keep out of reach of children. Store in suitable labeled containers.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	Ingredient: Isopropyl Alcohol Agency: ACGIH, Limit Type: TWA: 200 ppm: STEL: 400 ppm Agency: OSHA, Limit Type: TWA: 980 mg/m3 (400ppm) Ingredient: 2-Butoxyethanol Agency: ACGIH, Limit Type: TWA 25ppm - skin notation Agency: OSHA, Limit Type: TWA 50ppm (8 hours) - skin notation
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Appropriate Engineering Controls	Use in a well ventilated area.
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Personal Protective Equipment	Eye/face protection.
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Gloves	Latex Gloves
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Respiratory	Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.
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Eye	Wear eye protection/face protection.
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Clothing	No special protective clothing required.
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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Odour	Mild Odour
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Physical State	Liquid
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Color	Translucent Blue
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Odour Threshold	No data available.
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pH	9.5 - 10.5
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Freezing Point (°C)	0
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Initial Boiling Point (°C)	>100
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Flashpoint (°C)	No data available.
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Evaporation Rate	No data available.
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Flammability	No
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Lower Explosive Limit	No data available.
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Upper Explosive Limit	No data available.
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Lower Flammability Limit	No data available.
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Upper Flammability Limit	No data available.
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Vapour Pressure (mm) No data available.

Vapour Density (Air = 1) No data available.

Relative Density 1.0

Solubility Soluble

Partition coefficient (n-octanol/water) No data available.

SECTION 10: STABILITY AND REACTIVITY

Auto Ignition Temp. (°C) N/AP

Decomposition Temperature No data available.

Viscosity No data available.

Reactivity This material is considered to be non reactive under normal use condition.

Chemical Stability Stable

Possibility of hazardous reactions Hazardous polymerization will not occur.

Conditions to avoid Heat, flames and sparks.

Incompatible Materials Strong oxidizing agents.

Hazardous Decomposition Products During combustion - CO, CO₂

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Skin Contact Eye Contact Ingestion
 Skin Absorption Inhalation

Toxicological Information Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation: Sprayed material may cause irritation of the respiratory system.

Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact: Contact with the skin during product use is not expected to result in significant irritation.

Eye Contact: Sprayed material may cause eye irritation.

Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion: No data available.

Chronic Exposure : Health injuries are not known or expected under normal use.



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Toxicity

Acute oral toxicity : no data available
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available
Skin corrosion/irritation : no data available
Serious eye damage/eye irritation : no data available
Respiratory or skin sensitization : no data available
Carcinogenicity : no data available
Reproductive effects : no data available
Germ cell mutagenicity : no data available
Teratogenicity : no data available
STOT - single exposure : no data available
STOT - repeated exposure : no data available
Aspiration toxicity : no data available

Numerical Measures Of Toxicity

Hazardous Ingredients	LD ₅₀ /LC ₅₀ Specify Species and Route
Isopropyl Alcohol	LD ₅₀ (oral, rat) = 4710 mg/kg LC ₅₀ (inhalation, rat, vapour, 4 hours) = 72.6 mg/l LD ₅₀ (dermal, rabbit) = 12,870 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	High water solubility indicates a high mobility in soil.
Other adverse effects	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	In accordance with municipal, provincial and federal regulations.
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SECTION 14: TRANSPORT INFORMATION

UN number	Not regulated under TDG.
TDG Classification	N/AP



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Packing group N/AP

Special Shipping Instructions None.

SECTION 15: REGULATORY INFORMATION

Regulatory Information This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

SECTION 16: OTHER INFORMATION

N/AP = Not Applicable

N/AV = Not Available

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

GHS: Globally Harmonized System

HPR : Hazardous Products Regulations

IARC: International Agency for Research on Cancer

NIOSH: The National Institute for Occupational Safety and Health

NTP : National Toxicology Program

OSHA : United States Department of Labor - Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted-Average

Prepared By: Crown Chemical Manufacturing Inc.

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