



# SAFETY DATA SHEET

Bonnet Clean

## SECTION 01: IDENTIFICATION

**Product identifier** **BONNET CLEAN**  
**Other means of identification** 2020  
**Recommended use** All Purpose Cleaner  
**Recommended restrictions** Reserved for industrial and professional use.  
**Manufacturer**  
**Company name** Crown Chemical Products **Supplier's Name**  
**Address** 6125 Netherhart Road, Mississauga, Ont. **Supplier's Address**  
L5T 1G5  
**Emergency Tel:** (905) 564-0904

## SECTION 02: HAZARD(S) IDENTIFICATION

**Hazard Classification** Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2  
Acute toxicity (oral) Category 4

### Label elements



**Signal Word** **Warning**

**Hazard Statement** H315: Causes Skin Irritation.  
H319: Causes Serious Eye Irritation.  
H302: Harmful if swallowed.

### Precautionary Statement

P264: Wash hands thoroughly after handling.  
P262: Do not get in eyes, on skin, or on clothing.  
P303+361+353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse.  
P403+233: Store in a well ventilated place. Keep container tightly closed.

## SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
2-Butoxyethanol	111-76-2	10-30
Dipropylene Glycol Methyl Ether	34590-94-8	10-30

## SECTION 04: FIRST-AID MEASURES

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



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<b>Skin contact</b>	Wash off immediately with plenty of water. Wash clothing before reuse. If skin irritation occurs: Get medical advice/attention.
<b>Eye</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
<b>Ingestion</b>	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Most important symptoms/effects, acute and delayed</b>	See Section 11 for more detailed information on health effects and symptoms.

## SECTION 05: FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use water spray to cool unopened containers.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	None known.
<b>Special protective equipment and precautions for firefighters</b>	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. Do not get in eyes, on skin, or on clothing. Handle in accordance with good industrial hygiene and safety practice. Spilled material may present a slipping hazard. Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

### Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

## SECTION 07: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing. Avoid breathing vapors or mist. Keep away from sources of ignition - No smoking.
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**Conditions for safe storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, and flames.

## SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits** Overall Product: None established.

Ingredient: 2-Butoxyethanol  
Agency: ACGIH TLV, Limit Type: TWA 20.0 ppm  
Agency: OSHA, Limit Type: PEL 240 mg/m<sup>3</sup>

Ingredient: Dipropylene glycol methyl ether  
Agency: ACGIH TLV, Limit Type: TWA 100 ppm, STEL 150 ppm  
Agency: OSHA PEL, Limit Type: TWA 100 ppm, TWA: 600 mg/m<sup>3</sup>

**Appropriate Engineering Controls** Effective exhaust ventilation system.

**Personal Protective Equipment** Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

**Gloves** Latex Gloves

**Respiratory** Not required for properly ventilated areas.

**Eye** Wear eye protection/face protection.

**Clothing** Where contact is likely, wear appropriate chemical resistant equipment.

## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

**Odour** Mild odour

**Physical State** Liquid

**Color** Colourless

**Odour Threshold** No data available.

**pH** 8.0 - 9.0

**Freezing Point (°C)** No data available.

**Initial Boiling Point (°C)** >100

**Flashpoint (°C)** No data available.



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**Evaporation Rate** No data available.

**Flammability** No data available.

**Lower Explosive Limit** No data available.

**Upper Explosive Limit** No data available.

**Lower Flammability Limit** No data available.

**Upper Flammability Limit** No data available.

**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)** No data available.

**Decomposition Temperature** No data available.

**Viscosity** No data available.

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

**Chemical Stability** Stable under normal conditions.

**Possibility of hazardous reactions** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** Heat, flames and sparks.

**Incompatible Materials** Strong oxidizing agents, acids and bases.

**Hazardous Decomposition Products** CO, CO<sub>2</sub>

## SECTION 11: TOXICOLOGICAL INFORMATION

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



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## 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:

**EYES:** Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

**SKIN:** Brief contact may cause mild irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling.

**INHALATION:** High vapor concentrations may be irritating to respiratory tract.

**INGESTION:** Gastrointestinal irritation, pain, nausea, and diarrhea.

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

### Numerical Measures of Toxicity

Acute toxicity estimates (ATE) : no data available.

Toxicity 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

## Numerical Measures Of Toxicity

### Hazardous Ingredients

### LD<sub>50</sub> /LC<sub>50</sub> Specify Species and Route

2-Butoxyethanol

LD50 Oral - rat - 470 mg/kg  
LC50 Inhalation - rat - 4 h - 450 ppm  
LD50 Dermal - rabbit - 220 mg/kg  
LD50 Intraperitoneal - rat - 220 mg/kg  
LD50 Intravenous - rat - 307 mg/kg

Dipropylene Glycol Methyl Ether

LD50: Oral - rat - 3700 mg/Kg

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity** No data available.

**Persistence and degradability** No data available.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available



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Other adverse effects No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods In accordance with municipal, provincial and federal regulations.

## SECTION 14: TRANSPORT INFORMATION

UN number Not regulated under TDG.

TDG Classification N/AP

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 Products Inc.

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