

## SECTION 1 – IDENTIFICATION

**NAME:** V-200 PLUS

**USE:** Concentrated glass cleaner

**MANUFACTURER:** B.O.D. CHEMICALS INC.  
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**EMERGENCY PHONE:** 1 (877) 565-8540

## SECTION 2 – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

**PHYSICAL HAZARDS:** Flammable liquids, category 4

**HEALTH HAZARDS:** Skin corrosion/irritation, category 2  
Serious eye damage/eye irritation - Serious eye damage, category 1

**ENVIRONMENTAL HAZARDS:** Not available

### GHS LABEL ELEMENTS

**PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Combustible liquid.  
Causes skin irritation.  
Causes serious eye damage.

### PRECAUTIONARY STATEMENTS

**PREVENTION:** Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash thoroughly after handling.

**RESPONSE:** **In case of fire:** Use water, carbon dioxide, chemical powder or foam for extinction. **If on skin:** Wash with plenty of soap and water. Specific treatment (see supplemental first aid on the label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. **If in eyes:** Rinse immediately and cautiously with water for 10 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician.

**STORAGE / DISPOSAL:** Store in a well-ventilated place. Dispose of contents/container in accordance with local regulations (see 13<sup>th</sup> section).

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
1-Propoxy-2-propanol	001569-01-3	10 - 30
Monoethanolamine	000141-43-5	3 - 7
Alkylpolyglucoside	Not available	1 - 5

## SECTION 4 – FIRST AID MEASURES

**SKIN:** Remove contaminated clothing. Rinse skin with water. Consult a physician if irritation persists.

**EYES:** Rinse immediately and cautiously with water for 10 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician if irritation persists.

**INGESTION:** Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Consult a physician if irritation persists.

**INHALATION:** Breathe fresh air.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:** Skin: Irritation, redness. Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes, redness, swelling and blurred vision.

**TO PHYSICIAN:** Treat symptoms.

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## SECTION 5 – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, chemical powder, foam.

**UNSUITABLE EXTINGUISHING MEDIA:** Do not use water jet because it could spread the fire.

**SPECIFIC HAZARDS OF THE HAZARDOUS PRODUCT:** Combustible liquid. In case of fire, toxic fumes are emitted. The product does not burn itself but can decompose during heating to produce carbon monoxide and dioxide and toxic fumes.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear protective clothing and self-contained breathing apparatus if necessary.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Ventilate enclosed areas. Avoid contact of the product with eyes and skin. Do not breathe fumes. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers. Keep away from incompatibles materials.

**ENVIRONMENTAL PRECAUTIONS:** Avoid the spillage or runoff entering drains, sewers or watercourses.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Eliminate sources of ignition. Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

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## SECTION 7 – HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Avoid contact of the product with eyes and skin. Do not breathe vapours. Wash hands thoroughly after handling.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:** Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS	VALUE	REGULATION
Monoethanolamine	141-43-5	VEMP: 7.5 mg/m <sup>3</sup>	RSST

**APPROPRIATE ENGINEERING CONTROL:** Normal ventilation

### PERSONAL PROTECTIVE EQUIPMENT



**SKIN:** Impermeable gloves.

**EYES:** Safety goggles

**RESPIRATORY:** If ventilation is inadequate, suitable respiratory protection must be worn.

**HYGIENE MEASURES:** Wash hands after handling.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE / FORM:** Clear liquid

**COLOR:** Blue

**ODOR:** Perfumed

**ODOR THRESHOLD:** Not available

**pH:** 10 - 12

**MELTING POINT / FREEZING POINT (°C):** < 0

**BOILING POINT (°C):** Not available

**FLASH POINT (°C):** Not available

**EVAPORATION RATE:** Not available

**EXPLOSIVE LIMITS:** Not available

**VAPOUR PRESSURE:** Not available

**VAPOUR DENSITY:** Not available

**DENSITY (kg/L):** 0.91 - 0.93

**WATER SOLUBILITY:** Complete

**PARTITION COEFFICIENT  
N-OCTANOL / WATER:** Not available

**AUTOIGNITION TEMPERATURE (°C):** Not available

**DECOMPOSITION TEMPERATURE (°C):** Not available

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## SECTION 10 – STABILITY AND REACTIVITY

**REACTIVITY:** No dangerous reaction known under conditions of normal use.

**CHEMICAL STABILITY:** Stable at normal ambient temperatures and when used as recommended.

**HAZARDOUS REACTIONS:** Hazardous polymerisation does not occur.

**CONDITIONS TO AVOID:** Contact with incompatible materials.

**INCOMPATIBILITY:** Heat, sparks, flames, strong comburants, strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

### INFORMATION ON LIKELY ROUTES OF EXPOSURE

**SKIN:** Causes skin irritation.

**EYES:** Causes serious eye damage.

**INHALATION:** No serious effect.

**INGESTION:** May cause an irritation.

## NUMERIC VALUES OF TOXICITY

<b>ACUTE ORAL TOXICITY:</b>	LD50 (rat): 6704 mg/kg
<b>ACUTE DERMAL TOXICITY:</b>	Not available. No health effects (normal conditions of use).
<b>ACUTE INHALATION TOXICITY:</b>	Not available. No health effects (normal conditions of use).
<b><u>DELAYED AND IMMEDIATE EFFECTS</u></b>	
<b>SKIN CORROSION / IRRITATION:</b>	Causes skin irritation.
<b>SERIOUS EYE DAMAGE / EYE IRRITATION:</b>	Causes serious eye damage.
<b>RESPIRATORY SENSITIZATION:</b>	Not expected to cause respiratory sensitization.
<b>SKIN SENSITIZATION:</b>	Not expected to cause skin sensitization.
<b>GERMINAL CELL MUTAGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
<b>CARCINOGENICITY:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>	No potential reproductive toxicity.
<b>SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:</b>	Not classified.
<b>SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:</b>	Not classified.
<b>ASPIRATION HAZARD:</b>	Not classified.

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## **SECTION 12 – ECOLOGICAL INFORMATION**

<b>ECOTOXICITY:</b>	1-Propoxy-2-propanol LC50, Daphnia magna, 48 h, > 100 mg/l  Monoethanolamine LC50, Daphnia magna, 48 h, 65 mg/l
<b>PERSISTENCE AND DEGRADABILITY:</b>	Not available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available
<b>MOBILITY IN SOIL:</b>	Not available
<b>OTHER ADVERSE EFFECTS:</b>	Not available

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## **SECTION 13 – DISPOSAL CONSIDERATIONS**

<b>DISPOSAL INSTRUCTIONS:</b>	Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>HAZARDOUS WASTE CODE:</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>CONTAMINATED PACKAGING:</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## **SECTION 14 – TRANSPORT INFORMATION**

<b>TDG:</b>	Not regulated
<b>SPECIAL PRECAUTIONS FOR USER:</b>	Read safety instructions, SDS and emergency procedures before handling.

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## SECTION 15 – REGULATORY INFORMATION

Ingredients included on inventory of DSL (Canada), REACH, TSCA (USA)

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## SECTION 16 – OTHER INFORMATION

**PRODUCT NAME:** V-200 PLUS

**IN CASE OF ACCIDENTAL SPILL:** CANUTEC (Canada): 1 (613) 996-6666

**PREPARED BY:** B.O.D. CHEMICALS INC.

**PHONE:** (450) 443-5556

**DATE:** November 12<sup>th</sup>, 2018

B.O.D. CHEMICALS INC. assume no responsibility for damages or physical injuries resulting in the use of this product. The user recognizes the risk in the use of this product and must consult and respect directions and dangers of this product.