

**Section 1: IDENTIFICATION**

**Product Name:** Cobutox 625  
**Pest Control Product Number:** 27911  
**Product Use:** Phenoxy (Broadleaf) Herbicide.  
**Restrictions on Use:** Not available.  
**Manufacturer/Supplier:** Interprovincial Cooperative LTD. (IPCO)  
945 Marion Street  
Winnipeg, MB R2J 0K7  
**Phone Number:** 204.233.3461  
**Emergency Phone:** 204.233.3461  
CANUTEC: 1-888-CAN-UTEC (226-8832), 613-996-6666 or  
\*666 on a cellular phone.  
**Date of Preparation of SDS:** March 26, 2020

**Section 2: HAZARD(S) IDENTIFICATION****GHS INFORMATION**

**Classification:** Acute Toxicity - Oral, Category 4  
Aspiration Hazard, Category 1

**LABEL ELEMENTS****Hazard****Pictogram(s):****Signal Word:** Danger

**Hazard Statements:** Harmful if swallowed.  
May be fatal if swallowed and enters airways.

**Precautionary Statements**

**Prevention:** Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.

**Response:** IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
Rinse mouth.  
Do NOT induce vomiting.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

**Hazards Not Otherwise Classified:** Not applicable.

**Ingredients with Unknown Toxicity:** 6.61% of this product mixture consists of ingredient(s) of unknown acute toxicity.



This material is considered hazardous by the OSHA Hazard Communication Standard, (29 CFR 1910.1200).

This material is considered hazardous by the Hazardous Products Regulations.

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

Hazardous Ingredient(s)	Common name / Synonyms	CAS No.	% wt./wt.
4-(2,4-Dichlorophenoxy)butyric acid	2,4-DB	94-82-6	83.50 - 88.66
Distillates (petroleum), hydrotreated light	Not available.	64742-47-8	6.23 - 6.61

**Section 4: FIRST-AID MEASURES**

- Inhalation:** If inhaled: Call a poison center or doctor if you feel unwell.  
**Acute and delayed symptoms and effects:** May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
- Eye Contact:** If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.  
**Acute and delayed symptoms and effects:** May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
- Skin Contact:** If on skin: Wash with plenty of water. Call a poison center or doctor if you feel unwell.  
**Acute and delayed symptoms and effects:** May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
- Ingestion:** If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.  
**Acute and delayed symptoms and effects:** Harmful if swallowed. May be fatal if swallowed and enters airways. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

**Section 5: FIRE-FIGHTING MEASURES**

**FLAMMABILITY AND EXPLOSION INFORMATION**  
Not flammable or combustible by OSHA/WHMIS criteria.

- Sensitivity to Mechanical Impact:** This material is not sensitive to mechanical impact.
- Sensitivity to Static Discharge:** This material is sensitive to static discharge at temperatures at or above the flash point.

**MEANS OF EXTINCTION****Suitable Extinguishing Media:** Small Fire: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

Large Fire: Water spray, fog or regular foam. Move containers from fire area if you can do it without risk.

**Unsuitable Extinguishing Media:** Not available.**Products of Combustion:** Oxides of carbon. Hydrochloric acid. Chlorine.**Protection of Firefighters:** Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.**Section 6: ACCIDENTAL RELEASE MEASURES****Emergency Procedures:** Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).**Personal Precautions:** Do not touch or walk through spilled material. Use personal protection recommended in Section 8.**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways.**Methods for Containment:** Stop leak if without risk. Do not flush to sewer or allow to enter waterways.**Methods for Clean-Up:** Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.**Other Information:** See Section 13 for disposal considerations.**Section 7: HANDLING AND STORAGE****Handling:**

Do not swallow. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. See Section 8 for information on Personal Protective Equipment.

**Storage:**

Store locked up. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines****Component**

4-(2,4-Dichlorophenoxy)butyric acid (2,4-DB) [CAS No. 94-82-6]

**ACGIH:** No TLV established.**OSHA:** No PEL established.

Distillates (petroleum), hydrotreated light [CAS No. 64742-47-8]

**ACGIH:** 100 ppm (TWA); (1980); For Stoddard solvent

**OSHA:** 500 ppm (TWA), 2900 mg/m<sup>3</sup> (TWA);  
100 ppm (TWA) [Vacated]; For Stoddard solvent.

**PEL:** Permissible Exposure Limit

**TLV:** Threshold Limit Value

**TWA:** Time-Weighted Average

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, gas, etc.) below recommended exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**



**Eye/Face Protection:** Wear safety glasses. Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA-Z94.3-92 and OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

**Hand Protection:** Wear protective gloves. Consult manufacturer specifications for further information.

**Skin and Body Protection:** Wear protective clothing.

**Respiratory Protection:** If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard CAN/CSA-Z94.4-11, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices. Consult a competent industrial hygienist to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Brown liquid.
<b>Colour:</b>	Brown.
<b>Odour:</b>	Solvent.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH (1% solution):</b>	5.7



## SAFETY DATA SHEET

<b>Melting Point / Freezing Point:</b>	< 0 °C (32 °F)
<b>Initial Boiling Point:</b>	237 °C (458.6 °F)
<b>Boiling Range:</b>	237 to 277 °C (458.6 to 530.6 °F) (Distillates (petroleum), hydrotreated light)
<b>Flash Point:</b>	> 93.3 °C (199.94 °F) (TCC)
<b>Evaporation Rate:</b>	< 0.001 (n-BuAc = 1) (Distillates (petroleum), hydrotreated light)
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Lower Flammability Limit:</b>	0.5 %
<b>Upper Flammability Limit:</b>	4.8 %
<b>Vapor Pressure:</b>	0 kPa at 20 °C (68 °F) (Distillates (petroleum), hydrotreated light)
<b>Vapor Density:</b>	> 7.5 (Air = 1) Distillates (petroleum), hydrotreated light
<b>Relative Density:</b>	Not available.
<b>Solubilities:</b>	Emulsifies in water.
<b>Partition Coefficient: n-Octanol/Water:</b>	Not available.
<b>Auto-ignition Temperature:</b>	243 °C (469.4 °F) (Distillates (petroleum), hydrotreated light)
<b>Decomposition Temperature:</b>	Not available.
<b>Viscosity:</b>	34.4 cP at 20 °C (68 °F)
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	Not available.
<b>Density:</b>	Not available.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.

**Section 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Contact with incompatible materials. Sources of ignition. Exposure to heat.
<b>Chemical Stability:</b>	Stable under normal storage conditions.
<b>Possibility of Hazardous Reactions:</b>	None known.
<b>Conditions to Avoid:</b>	Contact with incompatible materials. Sources of ignition. Exposure to heat.
<b>Incompatible Materials:</b>	Acids. Bases. Oxidizers.
<b>Hazardous Decomposition Products:</b>	Not available.

**Section 11: TOXICOLOGICAL INFORMATION**

**EFFECTS OF ACUTE EXPOSURE**

**Product Toxicity**

**Oral:** Not available.

**Dermal:** Not available.

**Inhalation:** Not available.

**Component Toxicity**

Component	CAS No.	LD <sub>50</sub> oral	LD <sub>50</sub> dermal	LC <sub>50</sub>
4-(2,4-Dichlorophenoxy)butyric acid (2,4-DB)	94-82-6	700 mg/kg (rat)	> 10000 mg/kg (rabbit)	Not available.
Distillates (petroleum), hydrotreated light	64742-47-8	Not available.	Not available.	Not available.

**Likely Routes of Exposure:** Eye contact. Skin contact. Inhalation. Ingestion.

**Target Organs:** Skin. Eyes. Gastrointestinal tract. Respiratory system. Central nervous system.

**Symptoms (including delayed and immediate effects)**

**Inhalation:** May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Eye:** May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin:** May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

**Ingestion:** Harmful if swallowed. May be fatal if swallowed and enters airways. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Skin Sensitization:** Not available.

**Respiratory Sensitization:** Not available.

**Medical Conditions Aggravated By Exposure:** Not available.

**EFFECTS OF CHRONIC EXPOSURE (from short and long-term exposure)**

**Target Organs:** Skin. Eyes. Gastrointestinal tract. Respiratory system. Central nervous system.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Carcinogenicity:** Product is not classified as a carcinogen. See Component Carcinogenicity table below for information on individual components.

**Component Carcinogenicity**

Component	ACGIH	IARC	NTP	OSHA	Prop 65
2,4-DB	Not listed.	Group 2B	Not listed.	OSHA Carcinogen.	Not listed.



**Mutagenicity:** Studies on 2,4-DB have been inconclusive with some positive and some negative results.

**Reproductive Effects:** No impairment of reproductive function attributable to 2,4-DB has been noted in laboratory animal studies. At doses toxic to parental animals, there were effects on the kidneys, adrenals and ovaries of offspring. At the highest dose, offspring mortalities and growth reductions were observed during lactation.

**Developmental Effects**

**Teratogenicity:** Studies in laboratory animals with 2,4-DB have shown decreased litter sizes, decreased fetal body weights and skeletal variations in the offspring at doses toxic to mother animals. These are considered to result from maternal toxicity.

**Embryotoxicity:** Not available.

**Toxicologically Synergistic Materials:** Not available.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

**Other Adverse Effects:** Not available.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Instructions:** Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

**Section 14: TRANSPORT INFORMATION**

**U.S. Department of Transportation (DOT)**

**Proper Shipping Name:** Not regulated.

**Class:** Not applicable.

**UN Number:** Not applicable.

**Packing Group:** Not applicable.

**Label Code:** Not applicable.

**Canada Transportation of Dangerous Goods (TDG)**

**Proper Shipping Name:** Not regulated.

**Class:** Not applicable.

**UN Number:** Not applicable.

**Packing Group:** Not applicable.

**Label Code:** Not applicable.

**Section 15: REGULATORY INFORMATION**

**Federal Regulations**

**United States**

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**SARA Title III**

Component	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313	RCRA CODE	CAA 112(r) TQ (lbs.)
4-(2,4-Dichlorophenoxy)butyric acid (2,4-DB)	Not listed.	Not listed.	Not listed.	313	Not listed.	Not listed.

**State Regulations**

**Massachusetts**

US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Component	CAS No.	RTK List
4-(2,4-Dichlorophenoxy)butyric acid (2,4-DB)	94-82-6	Listed.
Distillates (petroleum), hydrotreated light	64742-47-8	Listed.

**New Jersey**

US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Component	CAS No.	RTK List
4-(2,4-Dichlorophenoxy)butyric acid (2,4-DB)	94-82-6	Listed.
Distillates (petroleum), hydrotreated light	64742-47-8	Listed.

**Pennsylvania**

US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Component	CAS No.	RTK List
4-(2,4-Dichlorophenoxy)butyric acid (2,4-DB)	94-82-6	Listed.
Distillates (petroleum), hydrotreated light	64742-47-8	Listed.

**California**

**California Prop 65:**



**WARNING** This product can expose you to 4-(2,4-Dichlorophenoxy)butyric acid (2,4-DB), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).





**Section 16: OTHER INFORMATION**

**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

**Date of Preparation of SDS:** March 26, 2020  
**Version:** 1.0  
**GHS SDS Prepared by:** Deerfoot Consulting Inc.  
**Phone:** (403) 720-3700