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## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** PRO•586C  
**PRODUCT CODE:** "VALU" LAUNDRY DETERGENT

### 1. PRODUCT INFORMATION

SUPPLIER: As above  
PRODUCT USE: Laundry Detergent  
CHEMICAL IDENTITY: Mixture  
CAS No. and NAME: Not applicable  
FORMULA and M.Wt.: Not applicable  
EMERGENCY PHONE NO.: 613-996-6666 CANUTEC (COLLECT)

### 2. HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	CAS#	TOXICITY
Sodium Carbonate	497-19-8	LD <sub>50</sub> Oral rat = 2800 mg/kg
Sodium Metasilicate	6834-92-0	LD <sub>50</sub> Oral rat = 1280 mg/kg

### 3. PHYSICAL DATA

PHYSICAL STATE:	Powder		
APPEARANCE and ODOUR:	Pale Blue powder, lemon scent, packaged in water soluble pouch		
ODOUR THRESHOLD:	Not Determined	BOILING POINT:	Not Applicable
SPECIFIC GRAVITY:	Not Available	MELTING POINT:	Not Applicable
VAPOUR PRESSURE:	Not Applicable	pH: 1% Solution:	11.0
VAPOUR DENSITY:	Not Applicable	DENSITY (g/ml):	Not Available
EVAPORATION RATE:	Not Applicable	WATER SOLUBILITY:	Complete

### 4. FIRE OR EXPLOSION HAZARDS

CONDITIONS OF FLAMMABILITY: This material may burn, but it is not highly flammable  
MEANS OF EXTINCTION: Water, alcohol, foam, dry chemical  
FLASH POINT and METHOD OF DETERMINATION: Not Applicable  
UPPER FLAMMABLE LIMIT: Not Available  
LOWER FLAMMABLE LIMIT: Not Available  
AUTO-IGNITION TEMPERATURE: Not Available  
HAZARDOUS COMBUSTION PRODUCTS : Oxides of carbon, sulphur dioxide, oxides of nitrogen  
SPECIAL FIRE FIGHTING PROCEDURES: None  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

### 5. REACTIVITY DATA

CHEMICAL STABILITY: Stable  
INCOMPATIBLE SUBSTANCES: Strong acids, strong oxidizing agents  
CONDITIONS OF REACTIVITY: Prolonged contact with aluminum, copper, tin, lead or zinc may liberate flammable hydrogen gas.  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, sulphur dioxide, oxides of nitrogen  
HAZARDOUS POLYMERIZATION: Will not occur.

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### **6. TOXICOLOGICAL PROPERTIES:**

EFFECTS OF ACUTE EXPOSURE: Product is sold in water soluble pouches. Direct contact with powder is unlikely under normal use conditions. However, under unusual or upset conditions:

EYE CONTACT: Irritant, prolonged contact may cause permanent eye injury  
SKIN CONTACT: May cause drying of skin, irritation  
INHALATION: Product is not dusty – inhalation not likely to occur  
INGESTION: May cause nausea, vomiting, diarrhea and abdominal pain

EFFECTS OF CHRONIC EXPOSURE: No data but expected similar to acute.

EXPOSURE LIMITS: Not established

IRRITANCY OF PRODUCT: Skin and eye irritant.

SENSITIZATION TO MATERIAL: No data.

CARCINOGENICITY: No information is available and no adverse effects are expected.

REPRODUCTIVE TOXICITY: No information is available and no adverse effects are expected.

TERATOGENICITY: No information is available and no adverse effects are expected.

MUTAGENICITY: No information is available and no adverse effects are expected.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: No data.

### **7. PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT: Powder is packaged in water soluble pouches. Direct contact with powder unlikely under normal use conditions. Under upset or unusual conditions, wear chemical resistant gloves and safety glasses with side shields or goggles. Avoid skin contact by use of other clothing. If exposure exceeds dust exposure limits, use NIOSH/MSHA approved dust respirator.

ENGINEERING CONTROLS: Local exhaust can be used to supplement general ventilation if dusting likely to occur.

HANDLING PROCEDURE and EQUIPMENT: Do not open pouches to mix product; pouches dissolve water. Do not handle pouches with wet hands. Do not mix with anything but water. Wash hands after handling pouches.

STORAGE REQUIREMENTS: Keep out of reach of children. Keep containers closed. Store at room temperature. Keep from freezing.

SPECIAL SHIPPING INFORMATION: None

PROCEDURES FOR HANDLING LEAKS OR SPILLS: Pick up undamaged pouches and place in labeled air tight containers. Sweep up any damaged pouches and spilled powder and place in suitable containers for disposal. Flush any powder residue away with water. Do not allow any rinse water to enter open bodies of water or storm sewers.

WASTE DISPOSAL: As per all local, provincial and federal regulations.

### **8. FIRST AID MEASURES:**

Product is sold in water-soluble pouches. Direct contact with powder is unlikely under normal use conditions. Should direct contact with powder occur, follow these instructions.

EYE CONTACT: Flush immediately with large amounts of water for at least 15 minutes, holding eyelids apart. If irritation persist, get medical attention.

SKIN CONTACT: Wash with soap and water. If irritation persists, get medical attention.

INHALATION: If large amounts of dust have been inhaled, move the exposed employee to fresh air immediately. Obtain medical attention.

INGESTION: If ingested and victim is alert and not convulsing, rinse mouth out. Give ½ to 1 glass of water to dilute. Do not induce vomiting. Obtain medical attention.

Date: December 2014

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