



Material Safety Data Sheet

PLUS X

Section 1. Product and Company Identification

Product Name: PLUS X **Product Use:** All Purpose Cleaner

Supplier: Sani-Sol Inc. **Address:** 149 Iber Road, Stittsville, Ontario K2S 1E7

Telephone: (613) 831-3698 **Fax:** (613) 831-3613

Website: www.sani-sol.com

Emergency Response Number: CANUTEC (613) 996-6666 (Collect calls accepted)

Section 2. Hazards Identification

Physical State: Liquid

Emergency Overview: CAUTION!
May cause skin and eye irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Routes of Entry: Eye contact, Skin contact, Ingestion, Inhalation

Potential Acute Health Effects:

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation to mouth, throat and stomach.

Inhalation: No known significant effects or hazards.

See Toxicological Information (Section 9) for additional information.

Section 3. Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS#</u>	<u>% by Weight</u>
2-butoxyethanol	111-76-2	1-5
Ethylenediaminetetraacetate, Sodium	64-02-08	1-5

Section 4. First Aid Measures

Eye Contact: Flush with cool running water for 15 minutes, removing contact lenses and keeping eyelids open. Get medical attention if irritation persists.

Skin Contact: Flush with cool running water for 15 minutes, removing contaminated clothing. Get medical attention if irritation persists.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth, then drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Inhalation: If breathing is difficult, remove to fresh air. If not breathing, give artificial respiration. Obtain medical attention immediately.

Section 5. Fire and Explosion Hazard Data

Flammability: Not flammable by WHMIS criteria
Flash Point (TCC): >100°C
Upper Flammable Limit: Not available
Auto-Ignition Temperature: Not available
EXPLOSION:
(Sensitivity to Mechanical Impact): Not Sensitive
Extinguishing Media: Match media to surrounding fire.
Special Fire Fighting Equipment: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Special Fire Fighting Instructions: High heat or fire may cause container to burst due to a pressure increase.

Conditions of Flammability: Not applicable
Auto-Ignition Temperature: Not available
Lower Flammable Limit: Not available
Hazardous Combustion Products: Carbon/nitrogen oxides
EXPLOSION:
(Sensitivity to Static Discharge): Not Sensitive

Section 6. Preventative Measures, Handling and Spills

Personal Protective Equipment

Eyes: Eye protection is recommended.
Skin: Impervious gloves are recommended.
Respiratory: No protective equipment is needed under normal use conditions.

Spill or Leak Procedures

Cleanup: Flush residue or small spills to sanitary sewer. Dike or dam large spills. Pump to containers or soak on inert absorbent and place in suitable containers for disposal. Water rinse area for final cleanup.
Waste Disposal: Dispose of in accordance with Federal, Provincial and Municipal regulations.

Handling and Storage

Handling: Avoid contact with eyes and skin. Rinse thoroughly with water after contact.
Storage: Keep out of reach of children. Keep container tightly closed. Store in cool, well-ventillated area.

Specific Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants below any recommended or statutory limits.

Occupational Exposure Limits

Ingredient	List Name	TWA (8 hours)			STEL (15 minutes)			Ceiling			Notations
		ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other	
2-butoxyethanol	US ACGIH 2/2010	20	-	-	-	-	-	-	-	-	-
	AB 4/2009	20	97	-	-	-	-	-	-	-	(3)
	BC 9/2010	20	-	-	-	-	-	-	-	-	-
	ON 7/2010	20	-	-	-	-	-	-	-	-	(1)
	QC 6/2008	20	97	-	-	-	-	-	-	-	-

(1) Absorbed through skin. (3) Skin sensitization.

Section 7. Physical and Chemical Properties

Appearance: Clear greenish blue liquid
PH (100%): 11-12
Boiling Point: >100°C
Specific Gravity: 1.0
Vapour Pressure: Not available
Evaporation Rate: Not available

Odour: Mint
Solubility in Water: 100%
Freezing Point: <0°C
Odour Threshold: Not available
Vapour Density: Not available
Coeff of Water/Oil Distribution: Not available

Section 8. Reactivity Data

Stability: Stable
 Conditions to Avoid: None known
 Products to Avoid: None known
 Hazardous Decomposition Products: None known

Section 9. Toxicological Information

Potential Acute Health Effects

Eyes: May cause eye irritation.
 Skin: May cause skin irritation.
 Ingestion: May cause irritation to mouth, throat and stomach.
 Inhalation: No known significant effects or hazards.

Potential Chronic Health Effects

Carcinogenicity: No known significant effects.
 Mutagenicity: No known significant effects.
 Teratogenicity: No known significant effects.
 Reproductive Toxicity: No known significant effects.
 Sensitization to Product: No known significant effects.
 Toxicologically Synergistic Products: Not available.

Toxicity Data for Ingredients

Ingredient	Test	Route	Result	Species
2-butoxyethanol	LD ₅₀	Oral	320 mg/kg	Rabbit
	LD ₅₀	Oral	250 mg/kg	Rat
	LC ₅₀	Inhalation	2900 mg/m ³	Rat
	LC ₅₀	Inhalation	450 ppm	Rat
Ethylenediaminetetraacetate, Sodium	LD ₅₀	Oral	10000 mg/kg	Rat
	LD ₅₀	Oral	7000 mg/kg	Rabbit
	LC ₅₀	Inhalation	1.5 mg/L	Rat

Section 10. Transportation Information

TDG Class: Not regulated Packing Group: N/A UN Number: N/A Name: N/A

Section 11. Regulatory Information

WHMIS Class: D2B
 Concentrate Hazard Ratings: Health: 1 Fire: 0 Reactivity: 0

Section 12. Preparation Information

Prepared By: Regulatory Affairs Telephone: (416) 744-0040 Date: January 31, 2014

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