

# MATERIAL SAFETY DATA SHEET

## SECTION 1: PRODUCT IDENTIFICATION

Product Name: **PIN-PLUS**

Product Use: Powered cleaner - degreaser

WHMIS Class: D2B, E

TDG Classification: Class 8

UN Number: UN 3253, group III

T.D.G. Shipping Name: DISODIUM TRIOXOSILICATE

### Manufactured by:

**Chemotec (PM) Inc.**

8820 Place Ray Lawson

Anjou, Quebec, Canada H1J 1Z2

Telephone: (514) 729-6321; 1-800-729-6321

**Emergency Phone:** as above or call CANUTEC (613) 996-6666 in case of **chemical emergency only.**

## SECTION 2: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt %</u>	<u>TLV</u>	<u>LC<sub>50</sub></u>	<u>LD<sub>50</sub></u>
Ethoxylated alcohol	68131-39-5	1 - 5	n/a	n/a	2000 mg/kg (oral, rat)
Sodium metasilicate	6834-92-0	30- 60	n/a	n/a	622 mg/kg (oral, rat)
Sodium carbonate	497-19-8	30- 60	n/a	800 mg/m <sup>3</sup> /2h (guinea pig)	4090 mg/kg (oral, rat)

## SECTION 3: PHYSICAL DATA

Boiling Point (°C): n/a

Vapour Pressure (mm Hg): n/a

Vapour Density (Air = 1): n/a

Solubility in Water: Complete

Physical State: Solid

Appearance and Odour: Crystalline yellow powder with pine odour.

Bulk density: not available

% Volatile (Wt %): < 1

Evaporation Rate ( Water = 1 ): n/a

pH (sol. 1%): 10.5 - 11.0

Viscosity: n/a

Odour Threshold (ppm): n/a

## SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Not flammable, not combustible

Flash Point (TCC, °C): > 93.3      LEL: Not applicable    UEL: Not applicable

Hazardous Combustion Products: None

Autoignition Temperature (°C): Not available.

Means of Extinction: Use appropriate media to extinguish surrounding fire.

Special Fire Hazards: Not available.

## SECTION 5: REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Incompatible Materials: Strong concentrated acids, strong oxidizing agents.

Reactivity and Under What Conditions: Contact with acids produce carbonic gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc. Carbon monoxide gas may be produced on contact with reducing sugars.

Hazardous Decomposition Products: See under Reactivity, and Under What Conditions

## SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, skin, ingestion, inhalation.

### **EFFECTS OF ACUTE EXPOSURE:**

Eye: Irritant. Irritation and burns to eyes and cornea.

Skin: Irritation of skin. Longer contact may cause burns. May produce dry skin.

Ingestion: Nausea, vomiting, abdominal pain, diarrhea. Electrolytic imbalance (excess of sodium) if large quantities are ingested.

Inhalation: Breathing high concentration may cause irritation of superior respiratory tract.

## **EFFECTS OF CHRONIC EXPOSURE:**

Irritancy: Prolonged or repeated contacts with skin may cause some irritation: skin dryness, redness, dermatitis and burns.

Skin Sensitization: Not sensitizing.

Carcinogenicity: No ingredients are carcinogenic.

Teratogenicity, Reproductive Effects: No ingredients are teratogenic.

Mutagenicity: No ingredients are mutagenic.

Synergistic Materials: Unknown.

## **SECTION 7: PREVENTATIVE MEASURES**

Gloves: Plastic or rubber gloves to manipulate large quantities of product.

Eye Protection: Safety glasses with side shields to manipulate large quantities.

Respiratory Protection: Not required, if adequate ventilation is available. Respirator NIOSH/MSHA approved if large spill and lack of ventilation.

Other Protective Equipment: Waterproof boots if large spill.

Engineering Controls: Shower and eye wash station if large quantities are manipulated. Provide adequate ventilation.

Leak and Spill Procedure: Wear personal protective equipment. Stop the leak. Pump the product into drums or clean up spills using absorbent material and place in container. Resume cleaning by rinsing with water.

Waste Disposal: Dispose according to existing federal, provincial and municipal regulations.

Storage Requirements: Keep in original closed containers, in a well ventilated room.

## SECTION 8: FIRST AID

Eye: Immediately rinse with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical attention.

Skin: Rinse with water. Remove soiled clothes and wash before wearing. Seek medical attention should an irritation develop.

Inhalation: Bring person to fresh air. Seek medical attention if discomfort persists.

Ingestion: Drink plenty of water or milk. Do not induce vomiting. Seek medical attention immediately.

## SECTION 9: PREPARATION INFORMATION

**Date:** 2011-09-22

**Phone:** (514) 729-6321

**Prepared by:**

Chemotec (PM) Inc.

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Abbreviation:

n/a: not available

### Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety ( CCOHS ) in Hamilton, Ontario ( 1-800-263-8276 ) or CSST in Montreal ( 514-873-3990 ).