

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **LL 209**

Product Use: Super concentrated laundry detergent

WHMIS Class: D2B

TDG Classification: Not regulated

UN Number: None

T.D.G. Shipping Name: None

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>LC₅₀</u>	<u>LD₅₀</u>
Sodium carbonate	497-19-8	3-7	n/a	800 mg/m ³ /2h (guinea pig)	4090 mg/kg (oral, rat)
Sodium metasilicate	6834-92-0	1 - 5	n/a	n/a	622 mg/kg (oral, rat)

SECTION 3: PHYSICAL DATA

Boiling Point (°C): n/a

Vapor Pressure (mm Hg): n/a

Vapor Density (Air = 1): n/a

Solubility in Water: Complete

Physical State: Solid

Appearance and Odor: Crystalline white powder with blue particles and citrus odour.

Bulk density (H₂O = 1): 1.2

% Volatile (Wt %): < 1%

Evaporation Rate (Water = 1): n/a

pH (sol. 1%): 11

Viscosity: n/a

Odor 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 and/or in material.

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: Irritant. Irritation on skin. May produce dry skin.

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

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

EFFECTS OF CHRONIC EXPOSURE:

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

Skin Sensitization: Not sensitizing.

Carcinogenicity: We do not test our products on animal but based on the ingredients, this product is not expected to be carcinogenic.

Teratogenicity, Reproductive Effects: No ingredients are teratogenic.

Mutagenicity: No ingredients are mutagenic.

Synergistic Materials: None known.

SECTION 7: PREVENTATIVE MEASURES

Gloves: Plastic or rubber gloves to manipulate large quantities.

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

Respiratory Protection: Not required, if adequate ventilation is available.

Other Protective Equipment: Waterproof boots and apron if large spill.

Engineering Controls: Provide adequate ventilation.

Leak and Spill Procedure: Wear personal protective equipment. Stop the leak. Shovel product in container. Resume cleaning by mopping and by rinsing with water.

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

Storage Requirements: Keep in original tightly 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 should an irritation develop.

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

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

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

SECTION 9: PREPARATION INFORMATION

Date: 2011-09-19

Phone: (514) 729-6321

Prepared by:

Chemotec (PM) Inc.

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).