

**MATERIAL SAFETY DATA SHEET**  
**WHITE GRANULATED SUGAR**  
**ALL GRADES**

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COMPANY: REDPATH SUGAR LTD.  
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**SECTION I - CHEMICAL IDENTIFICATION**

TRADE NAME: Sugar Granulated  
CHEMICAL FAMILY: Carbohydrate  
FORMULA: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>  
CAS NUMBER: 57-50-1

**SECTION II - HAZARDOUS INGREDIENTS**

Not applicable/Food ingredient

HAZARD RATING: HEALTH: 0  
FIRE: 1  
REACTION: 0  
SPECIAL: None

**SECTION III - PHYSICAL DATA**

APPEARANCE: White, finely divided crystals.  
ODOUR: Pleasant to sweet  
MELTING POINT: 160-186°C  
BOILING POINT: N/A  
SOLUBILITY: 1g/0.5g water  
SPECIFIC GRAVITY: 1.587  
PERCENT VOLATILE: Stable

**SECTION IV - FIRE FIGHTING AND EXPLOSION DATA**

FLASH POINT: Minimum ignition temperature for sugar dust (M.P.75U) 370°C.  
EXTINGUISHING MEDIA: Class A, B or C  
SPECIAL FIRE/FIGHTING PROCEDURES: Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust explosions possible with finely divided material. Avoid dust clouds in presence of an ignition source.

**SECTION V - HEALTH HAZARD DATA**

INHALATION: Effects: Dust irritation.  
First Aid: N/A  
Threshold Limit Value: In air: 10mg/m<sup>3</sup>

SKIN CONTACT: Effects: N/A  
First Aid: N/A

EYE CONTACT: Effects: Dust irritation

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First Aid: Flush with water

**INGESTION:**

Effects: N/A  
First Aid: N/A

**SECTION VI - REACTIVITY AND POLYMERIZATION**

STABILITY: Stable  
CONDITIONS TO AVOID: Accumulated dust & high heat (160°C)  
INCOMPATIBILITY (MATERIALS TO AVOID): None  
HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>2</sub>, H<sub>2</sub>O  
HAZARDOUS POLYMERIZATION: Will NOT occur

**SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES**

SPILL/LEAK PROCEDURE: Sweep up for recovery or disposal and place in suitable closed containers  
WASTE DISPOSAL METHOD: Dispose in accordance with federal, provincial and local regulations

**SECTION VIII - SPECIAL PROTECTIVE EQUIPMENT**

RESPIRATORY PROTECTION (SPECIFY TYPE): Fibre mask when handling large quantities

**VENTILATION:**

LOCAL EXHAUST: N/A  
SPECIAL: N/A  
MECHANICAL: "X"  
OTHER: N/A

**PROTECTIVE EQUIPMENT:**

EYES: Safety glasses or goggles recommended  
HANDS: N/A  
OTHERS: N/A

**SECTION IX - SPECIAL PRECAUTIONS**

STORAGE AND HANDLING: Store in a cool, well ventilated, dry place. Keep away from heat, sparks, flames and protect from physical damage.

**SECTION X - DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

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