

# MATERIAL SAFETY DATA SHEET

## PRIMO



### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Primo  
GENERAL/GENERIC NAME: Block Detergent  
PRODUCT USE: Mechanical Dishwashing Detergent  
EFFECTIVE DATE: October 6, 2011  
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.  
24 Ronson Drive, Unit 16  
Etobicoke, Ontario M9W 1B4  
613-996-6666  
  
24 HOUR EMERGENCY NO.

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	CAS.NO	TLV	LD50 / LC50
Potassium Hydroxide	1 – 5	1310-58-3	2 mg/m <sup>3</sup>	LD50 140-340 mg/kg (oral/rat)
Sodium Hydroxide	5 – 10	1310-73-2	2 mg/m <sup>3</sup>	LD50 365 mg/kg (oral/rat)
Sodium Carbonate	5 - 40	497-19-8	None	LD50 4000 mg/kg (oral/rat)
Sodium Metasilicate	15 – 20	6834-92-0	None	LD50 1280 mg/kg (oral/rat)
Nitrilotiacetic acid trisodium salt	5 - 12	139-13-9	ND	ND

### SECTION 3 – HAZARDS IDENTIFICATION

#### Route of Entry:

**Skin Contact:** May cause irritation.

**Eye Contact:** May cause transient irritation.

**Inhalation:** Mist may cause irritation of the respiratory tract.

**Ingestion:** May cause irritation to digestive tract.

**Effects of Acute Exposure:** (see section 11 for Toxicological information).

### SECTION 4 – FIRST AID

**Eyes:** Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.

**Skin Contact:** Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use. Seek medical attention if skin is burned or symptoms continue.

**Inhalation:** Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.

**Ingestion:** Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.

**Note to Physician:** Risk of temporary injury and possible blindness if in contact into eyes.

### SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: ND  
FLAMMABLE LIMITS: ND  
AUTO-IGNITION TEMP: ND  
EXTINGUISHING MEDIA: As per surrounding fire.  
SPECIAL FIREFIGHTING PROCEDURES: ND  
EXPLOSION DATA: ND  
HAZARDOUS COMBUSTION PRODUCTS: ND

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Contain spills; absorb onto inert material.

### SECTION 7 – HANDLING AND STORAGE

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**Handling Procedures:** Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. . Keep container closed when not in use.

**Storage Procedures:** Keep from freezing. Keep containers closed when not in use.

### SECTION 8 – EXPOSURE CONTROLS

#### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Not required under adequate ventilation.  
VENTILATION: General ventilation adequate.  
PROTECTIVE GLOVES: Rubber  
EYE PROTECTION: Safety goggles  
OTHER PROTECTIVE MEASURES: ND

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Solid  
APPEARANCE AND ODOUR: White Solid  
ODOUR THRESHOLD: ND  
SPECIFIC GRAVITY: 1.6  
VAPOUR PRESSURE: ND  
VAPOUR DENSITY: ND  
PH: (1%) 12.7  
EVAPORATION RATE: ND  
INITIAL BOILING POINT: ND  
WATER SOLUBILITY: Complete  
FREEZING POINT: ND

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable  
INCOMPATIBILITY: Acids  
HAZARDOUS DECOMPOSITION PRODUCTS: None  
HAZARDOUS POLYMERIZATION: Will not occur.  
CONDITIONS TO AVOID: Contact with acids will generate heat.

### SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: ND  
EFFECTS OF ACCUTE EXPOSURE:  
SKIN CONTACT: Corrosive. May cause irritation.  
EYE CONTACT: Corrosive. May cause damage if not treated promptly.  
INHALATION: Corrosive. Breathing dust may cause irritation of the respiratory tract.  
INGESTION: Corrosive. May cause irritation to digestive tract.  
EFFECT OF CHRONIC EXPOSURE: Prolonged and repeated exposure to its dilutions may cause irritation, redness, pain, drying and cracking of skin.  
IRRITANCY OF PRODUCT: Serious  
CARCINOGENICITY: ND  
SENSITIZATION TO MATERIAL: ND  
REPRODUCTION TOXICITY: ND  
TERATOGENICITY: ND  
MUTAGENICITY: ND

### SECTION 12 – ECOLOGICAL CONSIDERATION

No permanent effects on ecosystems

### SECTION 13 – DISPOSAL CONSIDERATIONS

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**Waste Disposal:** In accordance with federal, provincial or local government requirements.

### SECTION 14 – TRANSPORT INFORMATION

**TDG Classification:** Corrosive Solid, Basic, Inorganic N.O.S. (Sodium Hydroxide)  
Class 8 UN 3262 Packing Group III

### SECTION 15 – REGULATORY INFORMATION

**WHMIS Classification:** D2B,E

### SECTION 16 – OTHER INFORMATION

Prepared by: Lab Personnel

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