

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: February 24, 2017
 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 ³	LD50 140-340 mg/kg (oral/rat)
Sodium Hydroxide	5 – 10	1310-73-2	2 mg/m ³	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

MATERIAL SAFETY DATA SHEET

PRIMO

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

MATERIAL SAFETY DATA SHEET

PRIMO

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

Phone: (416) 744-2120

Website: www.alpinechem.com

Disclaimer:

The information contained in this form is based on data from sources considered technically reliable and has been provided in good faith in accordance with the available material. It is provided as a service to the persons using the product but conditions of use and handling may involve other and additional consideration beyond our control. No warranty, expressed or implied, is made and we will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information in this form.