

# MATERIAL SAFETY DATA SHEET BUILDER



## SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Builder  
GENERAL/GENERIC NAME:  
PRODUCT USE: pH Adjuster  
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	5 - 10	1310-58-3	2mg/m <sup>3</sup>	365 mg/kg
Sodium Hydroxide	20-30	1310-73-2	2mg/m <sup>3</sup>	365 mg/kg

## SECTION 3 – HAZARDS IDENTIFICATION

### Route of Entry:

**Skin Contact:** Causes irritation.

**Eye Contact:** Causes 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 permanent corneal injury and possible blindness if splashed into eyes.

## SECTION 5 – FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

**Auto Ignition Temperature:** None

**EXTINGUISHING MEDIA:** None required

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

## SECTION 7 – HANDLING AND STORAGE

**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

**Engineering Controls:** Emergency shower should be in close proximity. Eye wash facility should be close in proximity.

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## BUILDER

RESPIRATORY PROTECTION:  
VENTILATION: General ventilation adequate.  
PROTECTIVE GLOVES: Gloves, impervious  
EYE PROTECTION: Safety glasses  
OTHER PROTECTIVE MEASURES: Apron and boots recommended under exceptional circumstances such as spill or for prolonged contact with bulk quantities.

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid  
APPEARANCE AND ODOUR: Clear colorless liquid  
ODOUR THRESHOLD: ND  
SPECIFIC GRAVITY: 1.37  
VAPOUR PRESSURE: ND  
VAPOUR DENSITY: ND  
PH: (1% ) 12  
EVAPORATION RATE: ND  
INITIAL BOILING POINT: 100°C approximately  
WATER SOLUBILITY: Complete  
FREEZING POINT: 0°C approximately

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Product is stable  
DECOMPOSITION PRODUCTS: See fire degradation products.  
REACTIVITY: Hydrogen evolution when exposed to aluminum.

### SECTION 11 – TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY: Ingestion. Skin contact. Eye contact. Inhalation.  
TOXICITY FOR ANIMALS: Not Available  
ACUTE EFFECTS: Hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation,  
CHRONIC EFFECTS: Prolonged exposure may cause skin and eye irritation.  
CARCINOGENIC EFFECTS: Not Available  
MUTAGENIC EFFECTS: Not Available  
TERATOGENIC EFFECTS: Not Available  
DEVELOPMENTAL TOXICITY: Not Available

Repeated or prolonged exposure to the substance can produce target organ damage.

### SECTION 12 – ECOLOGICAL CONSIDERATION

No permanent effects on ecosystems.

### SECTION 13 – DISPOSAL CONSIDERATIONS

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

### SECTION 14 – TRANSPORT INFORMATION

Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide), Class 8 UN 1760 PG III

### SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: D2B,E

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<b>SECTION 16 – OTHER INFORMATION</b>
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