

# MATERIAL SAFETY DATA SHEET

## LIQUID STARCH



### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Liquid Starch  
GENERAL/GENERIC NAME:  
PRODUCT USE: Laundry Starch  
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       | CAS.NO | %W/W | TLV | LD50 / LC50 |
|------------------|--------|------|-----|-------------|
| None under WHMIS |        |      |     |             |

### 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. **Inhalation:** Not toxic according to Federal Hazardous Substance and Labeling Definition Act..

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

### SECTION 5 – FIRE FIGHTING MEASURES

PRODUCT IS: Non-Flammable  
AUTO IGNITION TEMPERATURE: NA  
FLASH POINTS: NA  
DEGRATION PRODUCTS: Carbon oxides (CO, CO<sup>L2^n</sup>)  
EXTINGUISHING MEDIA: Use water spray or fog.

### 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.

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### SECTION 8 – EXPOSURE CONTROLS

#### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Not required.  
VENTILATION: General ventilation adequate.  
PROTECTIVE GLOVES: Not required  
EYE PROTECTION: Safety Glasses  
OTHER PROTECTIVE MEASURES: Ensure that eyewash stations are proximal to the work station location.  
Avoid eye contact. Store at room temperature. Keep out of reach of children and pets.

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid Opaque  
APPEARANCE AND ODOUR: White odourless liquid  
ODOUR THRESHOLD: ND  
SPECIFIC GRAVITY: 1.07 – 1.08 (water=1)  
VAPOUR PRESSURE: The highest known value is 17.2 mm Hg @ 20° C. (Water)  
VAPOUR DENSITY: Weighted average: 1 (air = 1)  
PH Concentrate 4 - 5  
EVAPORATION RATE: ND  
INITIAL BOILING POINT: 100°C (212°F)  
WATER SOLUBILITY: Easily soluble in cold water, hot water, and methanol.  
Insoluble in diethyl ether, n-octanol  
FREEZING POINT: 0°C

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable  
INCOMPATIBILITY: NA  
HAZARDOUS DECOMPOSITION PRODUCTS: See fire degradation products.  
REACTIVITY: Not considered to be reactive.

### SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: ND  
EFFECTS OF ACCUTE EXPOSURE: None known  
SKIN CONTACT: May cause irritation.  
EYE CONTACT: May cause irritation. May cause damage if not treated properly.  
INHALATION: None expected.  
INGESTION: May cause irritation to digestive tract.  
EFFECT OF CHRONIC EXPOSURE: None known  
IRRITANCY OF PRODUCT: Minimal  
CARCINOGENICITY: ND  
SENSITIZATION TO MATERIAL: ND  
REPRODUCTION TOXICITY: ND  
TERATOGENICITY: ND  
MUTAGENICITY: ND

### SECTION 12 – ECOLOGICAL CONSIDERATION

Material is biodegradable and essentially non-toxic

### SECTION 13 – DISPOSAL CONSIDERATIONS

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

### SECTION 14 – TRANSPORT INFORMATION

**TDG Classification:** Not Regulated

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### SECTION 15 – REGULATORY INFORMATION

**WHMIS Classification:** Not Regulated

### SECTION 16 – OTHER INFORMATION

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