

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **LTR**
OTHER MEANS OF IDENTIFICATION: Sodium lignosulfonate
RECOMMENDED USE: Cement additive
RESTRICTIONS ON USE: None
SUPPLIER IDENTIFIER: **Di-Corp**
8750-53 Ave
Edmonton, AB T6E 5G2
780-440-4923
EMERGENCY PHONE NUMBER: 780-468-4064

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Not classified according to Part 2 of HPR.
LABEL SYMBOLS: Not applicable
SIGNAL WORD: Not applicable
HAZARD STATEMENTS: Not applicable
OTHER HAZARDS: No known hazards
PRECAUTIONARY STATEMENTS: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Sodium hydroxide	1310-73-2	<0.5% (w/w)

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing; wash exposed area thoroughly with soap and water. If irritation develops and persists obtain medical attention.
EYE CONTACT: Immediately flush eyes with gently flowing warm water for 15 minutes, or until irritation ceases. If irritation persists, obtain medical attention.
INGESTION: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS: No known significant acute or chronic effects are expected as a result of contact with this product.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water spray or foam.
UNSUITABLE EXTINGUISHING MEDIA: None known.
SPECIFIC FIRE HAZARDS: Dust explosions may occur when finely divided particles are mixed with air in the presence of an ignition source.
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and oxides of nitrogen.

SPECIAL PROTECTIVE EQUIPMENT &
PRECAUTIONS:

Self-contained breathing apparatus required for fire-fighting personnel. Move from fire area if possible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate safety equipment. Prevent further leakage or spillage if safe to do so. Wet spills produce extremely slippery surfaces. Keep people away. Avoid creating dust clouds.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Sweep up or vacuum to collect spilled material. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Wash spill area with thoroughly until non-slippery.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid skin and eye contact. Wash thoroughly after handling. Avoid dust formation. Do not breathe dusts. Wash hands before breaks and at end of workday.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry area away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

Not available.

ENGINEERING CONTROLS:

Use local exhaust ventilation, process enclosure or other engineering controls as required if dusting occurs.

PERSONAL PROTECTIVE MEASURES

RESPIRATORY PROTECTION:

Not required under normal conditions of use.

PROTECTIVE GLOVES:

PVC or other plastic material gloves suggested.

EYE PROTECTION:

Safety glasses with side-shields or chemical goggles.

OTHER PROTECTIVE EQUIPMENT (SPECIFY):

Ensure eye-wash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Light yellow to dark brown powder

ODOUR:

Light odour

ODOUR THRESHOLD:

Not applicable

pH:

6.5 – 9.0

MELTING POINT / FREEZING POINT:

Not available

BOILING POINT / RANGE:

Not available

FLASH POINT:

Not applicable

EVAPORATION RATE:

Not available

FLAMMABILITY:

Combustible under fire conditions

FLAMMABILITY / EXPLOSIVE LIMITS:

UEL = 400 g/m³

LEL = 60 g/m³

VAPOUR PRESSURE:

Not applicable

VAPOUR DENSITY:

Not available

RELATIVE DENSITY:

Not available

SOLUBILITY:

Soluble in water

PARTION COEFFICIENT:

Not available

AUTO-IGNITION TEMPERATURE:

207°C

DECOMPOSITION TEMPERATURE:

220°C

VISCOSITY: Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No information available
CHEMICAL STABILITY: Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur
CONDITIONS TO AVOID: Avoid contact with incompatible materials.
INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY: Not available

SKIN CONTACT: Prolonged or repeated contact may irritate skin in some individuals.
EYE CONTACT: May cause irritation.
INGESTION: No adverse effects expected from incidental ingestion.
INHALATION: Exposure to dust at high concentrations may result in coughing and sneezing.
CARCINOGENICITY: Not listed by IARC, NTP, ACGIH or OSHA.
TERATOGENICITY: No information available.
REPRODUCTIVE TOXICITY: No information available.
MUTAGENICITY: No information available.
CHRONIC TOXICITY: No information available.
TARGET ORGAN EFFECTS: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: LC50 (fish) > 100mg/L
TTC test (bacteria) > 5 mg/L
PERSISTENCE AND DEGRADABILITY: Biodegradable and fermentable.
BIOACCUMULATIVE POTENTIAL: No information available.
MOBILITY IN SOIL: No information available.
OTHER ADVERSE EFFECTS: Affects the level of dissolved oxygen in receiving water streams in case of accidental dispersion.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose/incinerate in accordance with federal, state and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

SECTION 14: TRANSPORTATION INFORMATION

UN NUMBER: Not applicable
PROPER SHIPPING NAME: Not applicable
CLASS: Not applicable
PACKING GROUP: Not applicable
IMDG HAZARDS: Not applicable
BULK TRANSPORT: Not applicable
SPECIAL PRECAUTIONS: Not applicable

SECTION 15: REGULATORY INFORMATION

DSL: All ingredients are listed on the DSL.
WHMIS CLASS: Not controlled
TSCA: All ingredients are listed or exempt from listing.

SECTION 16: OTHER INFORMATION

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