

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **RB CATALYST L**
OTHER MEANS OF IDENTIFICATION: None
RECOMMENDED USE: Wireline cement additive
RESTRICTIONS ON USE: None known
SUPPLIER IDENTIFIER: **Di-Corp**
8750-53 Ave
Edmonton, AB T6E 5G2
780-440-4923
EMERGENCY PHONE NUMBER: 780-468-4064 (24 hr)

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Eye irritation – Category 2B
Carcinogenicity – Category 1A

LABEL SYMBOLS:



SIGNAL WORD:

DANGER

CLASSIFICATION INFORMATION:

Causes eye irritation.
May cause cancer if inhaled.

PRECAUTIONARY STATEMENTS:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Store locked up.
Dispose of contents and/or container in accordance with local, regional, national, and/or international regulations.

OTHER HAZARDS:

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION (w/w)
Ammonium chloride	12125-02-9	60 – 80%
Quartz, crystalline silica	14808-60-7	0.1 – 1.0%

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing. Wash contacted area thoroughly with soap and water. If irritation develops and persists, obtain medical attention.

EYE CONTACT: Flush with gently flowing warm water for minimum 15 minutes. If irritation persists obtain medical attention when flushing period is complete.

INGESTION: Rinse mouth with water. Drink plenty of water. If a significant amount is swallowed, or symptoms develop, obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION:	Move away from dusty environment. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS:	Contact will cause eye irritation. Long term inhalation of respirable crystalline silica can cause silicosis and may result in cancer. Ingestion of large quantity can be harmful.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Not combustible. Use media suitable for packaging and surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA:	None.
SPECIFIC FIRE HAZARDS:	At fire temperatures ammonium chloride begins to corrode metals and may dissociate into ammonia and hydrogen chloride.
HAZARDOUS COMBUSTION PRODUCTS:	Ammonia, hydrogen chloride, oxides of carbon, oxides of sodium.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Self-contained breathing apparatus required for fire-fighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Always wear suggested or required protective equipment. Keep out of sewers, storm drains, surface waters, and soil.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Sweep up and scoop to collect. Collect uncontaminated material for repackaging. Collect contaminated material in appropriate containers for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid contact with skin and eyes. Avoid breathing dust; wear an approved respirator. Wash thoroughly after handling. Launder contaminated clothing before reuse.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool, dry area away from incompatible materials. Keep container tightly closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT	EXPOSURE LIMITS
Ammonium chloride	ACGIH TLV TWA = 10 mg/m ³ ACGIH STEL = 20 mg/m ³
Quartz, crystalline silica	ACGIH TLV TWA = 0.025 mg/m ³
ENGINEERING CONTROLS:	Use local exhaust ventilation, process enclosure or other engineering controls as necessary to maintain airborne dust below TLV.
RESPIRATORY PROTECTION:	PERSONAL PROTECTIVE MEASURES Wear NIOSH approved dust masks or respirators for silica bearing dust.
PROTECTIVE GLOVES:	Impermeable gloves are recommended if there is an existing skin disorder.
EYE PROTECTION:	Wear chemical goggles when handling.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	As required to minimize contact with skin. Ensure eyewash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Bluish – gray powder
ODOUR:	Very mild earthy odour
ODOUR THRESHOLD:	Not applicable
pH:	Not available
MELTING POINT / FREEZING POINT:	Not applicable
BOILING POINT / RANGE:	Not applicable
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not available
FLAMMABILITY:	Not available
FLAMMABILITY / EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
RELATIVE DENSITY:	Not available
SOLUBILITY:	Partially soluble in water
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	None at normal conditions of storage or use.
CHEMICAL STABILITY:	Stable at normal conditions of storage or use.
POSSIBILITY OF HAZARDOUS REACTIONS:	Ammonium chloride reacts explosively with potassium chlorate or bromine trifluoride and violently with bromine pentafluoride, ammonium compounds, nitrates and iodine heptafluoride. Explosive nitrogen trichloride may result from reaction of ammonium chloride and hydrogen cyanide. Corrosive to ferrous metals (e.g. gray cast iron and steel), aluminum, and copper and its alloys (e.g. brass and bronze). It is corrosive to most metals at fire temperatures.
CONDITIONS TO AVOID:	Incompatible materials. Moisture. Heat.
INCOMPATIBLE MATERIALS:	Strong bases, strong oxidizing agents, strong acids, ammonium nitrate, potassium chlorate, silver salts, bromine trifluoride, iodine hexafluoride.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hydrogen chloride, ammonia, oxides of carbon, oxides of sodium.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY: ATE = 2360 mg/kg

COMPONENT TOXICITY

COMPONENT	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Ammonium chloride	1650 mg/kg	Not available	Not available
Quartz, crystalline silica	Not available	Not available	Not available

SKIN CONTACT:	Prolonged contact may cause irritation.
EYE CONTACT:	Causes moderate to severe irritation.
INGESTION:	May be harmful if swallowed; contains ammonium chloride which is moderately toxic.

INHALATION:	Not a likely source of exposure. If dusted this product may cause irritation of the respiratory tract. This product contains crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation may cause silicosis, a progressive, disabling and sometimes fatal lung disease. Chronic inhalation exposure to crystalline silica quartz has been observed to cause lymph node effects, kidney effects and auto-immune disease.
CARCINOGENICITY:	Contains crystalline silica, which when inhaled from occupational sources, is considered as a human carcinogen by IARC (Class 1) and by NTP. ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).
TERATOGENICITY:	Not teratogenic based on available ingredient information.
REPRODUCTIVE TOXICITY:	Not toxic based on available ingredient information.
MUTAGENICITY:	Not mutagenic based on available ingredient information. Crystalline silica has been shown to cause mutagenic effects in human cells in-vitro.
CHRONIC TOXICITY:	Prolonged inhalation of respirable crystalline silica may cause lung disease, silicosis, lung cancer and other effects.
TARGET ORGAN EFFECTS:	Damage to lungs.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	No product information available
PERSISTENCE AND DEGRADABILITY:	Not applicable
BIOACCUMULATIVE POTENTIAL:	Not expected to bioaccumulate.
MOBILITY IN SOIL:	Not available
OTHER ADVERSE EFFECTS:	Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of material in accordance with federal, provincial 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

TDG:	Not regulated
DOT:	Not regulated
IATA:	Not regulated
IMDG:	Not regulated
UN NUMBER:	Not applicable
PROPER SHIPPING NAME:	Not applicable
CLASS:	Not applicable
PACKING GROUP:	Not applicable
IMDG HAZARDS:	Not a marine pollutant
BULK TRANSPORT:	Not applicable
SPECIAL PRECAUTIONS:	None known

SECTION 15: REGULATORY INFORMATION

DSL: All ingredients are on, or exempt from, the list.
TSCA: All ingredients are on, or exempt from, the list.

SECTION 16: OTHER INFORMATION

REVISION DATE: December 30, 2025
REPLACES: May 22, 2018

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