

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	RESINBOND CEMENT
OTHER MEANS OF IDENTIFICATION:	None
RECOMMENDED USE:	Wireline cement
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:	Acute toxicity, oral – Category 4 Eye irritation – Category 2B Skin sensitization – Category 1A Carcinogenicity – Category 1A Reproductive toxicity – Category 1 STOT (RE) – Category 1
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LABEL SYMBOLS:



SIGNAL WORD:

DANGER

CLASSIFICATION INFORMATION:

Harmful if swallowed.
Causes eye irritation.
May cause allergic skin reaction.
May cause cancer.
May damage fertility or the unborn child.
Causes damage to organs (lungs) through prolonged or repeated exposure.

PREVENTION:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.

PRECAUTIONARY STATEMENTS:

RESPONSE:

IF exposed or concerned: Get medical advice/attention.
IF SWALLOWED: Call a POISON CENTER or doctor. Rinse mouth.
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.
IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Get medical advice/attention if you feel unwell.

STORAGE:

Store locked up.

DISPOSAL:

Dispose of contents and/or container in accordance with local, regional, national, and/or international regulations.

OTHER HAZARDS:

Heat develops as product hardens. May cause serious burns during hardening (rehydration) resulting in possible permanent injury.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION (w/w)
Gypsum (calcium sulfate)	7778-18-9	80%
Melamine formaldehyde resin	9003-08-1	18 – 20%
Quartz, crystalline silica	14808-60-7	0.1 – 1.0%
Formaldehyde	50-00-0	≤0.3%

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Remove contaminated clothing and wash contacted area thoroughly with soap and water. If irritation (or eczema) 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. Do not induce vomiting unless directed to do so by medical personnel. 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:	Causes eye irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Dusts may irritate the respiratory tract, skin and eyes. Coughing. Discomfort in the chest. Shortness of breath. May cause an allergic skin reaction. Dermatitis. Rash. Skin contact during hardening (rehydration) may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. Prolonged exposure may cause chronic effects.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

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:	During fire, gases hazardous to health may be formed.
HAZARDOUS COMBUSTION PRODUCTS:	Not available.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Sweep up or gather material and place in appropriate container for disposal. Minimise dust generation and accumulation. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Contain the spill, then place in a suitable container. Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge into drains, water courses or onto the ground. If large quantities enter a waterway, advise local authorities.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimise dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a dry place. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials. Keep away from food, drink and animal feeding stuffs.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT

Gypsum
Melamine formaldehyde resin
Quartz, crystalline silica
Formaldehyde

EXPOSURE LIMITS

ACGIH TLV TWA = 10 mg/m³
ACGIH TVL TWA = 3 mg/m³
ACGIH TLV TWA = 0.025 mg/m³
ACGIH TLV TWA = 0.3 ppm

ENGINEERING CONTROLS:

Use local exhaust ventilation, process enclosure or other engineering controls as necessary to maintain airborne dust below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust.

PERSONAL PROTECTIVE MEASURES

RESPIRATORY PROTECTION:

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. Do not wear contact lenses.

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:

White powder

ODOUR:

Slight resin odour

ODOUR THRESHOLD:

Not applicable

pH:

6 – 8

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:

2.7 g/cm³

SOLUBILITY: Partially soluble in water (0.2% @ 20°C)
 PARTITION COEFFICIENT: Not available
 AUTO-IGNITION TEMPERATURE: Not applicable
 DECOMPOSITION TEMPERATURE: Not available
 VISCOSITY: Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Reacts with water (normal condition of use).
 CHEMICAL STABILITY: Stable at normal conditions of storage or use.
 POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reaction known under normal conditions of use.
 CONDITIONS TO AVOID: Incompatible materials. Moisture. Heat.
 INCOMPATIBLE MATERIALS: Acids.
 HAZARDOUS DECOMPOSITION PRODUCTS: May include but not limited to: Calcium oxide; sulfur dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY: 1980 mg/kg (estimated)

COMPONENT TOXICITY

COMPONENT	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Gypsum	>1581 mg/kg (rat)	Not available	Not available
Melamine formaldehyde resin	Not available	Not available	Not available
Quartz, crystalline silica	Not available	Not available	Not available
Formaldehyde	640 – 800 mg/kg (rat)	270 mg/kg (rabbit)	480 ppm/4 hr (rat)

SKIN CONTACT: Prolonged contact may cause irritation and/or drying. Skin contact during hardening (rehydration) may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Formaldehyde is a known sensitizer.

EYE CONTACT: Causes moderate to severe irritation.

INGESTION: May be harmful if swallowed.

INHALATION: 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. Formaldehyde is a known sensitizer.

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). The weight of the scientific evidence surrounding the potential association between formaldehyde and cancer risk for both upper respiratory cancer as well as leukemia is conflicting even when significant and prolonged exposure to inhaled formaldehyde are involved. IARC and NTP classify formaldehyde as a carcinogen due to cancers of the upper respiratory system and leukemia. OSHA regulates formaldehyde as a potential carcinogen for exposures at or exceeding 0.5 ppm.

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
Gypsum: LC50 (fish) = 2980 mg/L/96 hr
Melamine formaldehyde resin: LC50 (daphnia pulex) = 12.13 mg/L/48 hr
Silica crystalline quartz: LC50 (danio rerio) > 10000 mg/L/(96 hr (OECD SIDS)
Formaldehyde: EC50 (daphnia pulex) = 5.8 mg/L/48 hr
PERSISTENCE AND DEGRADABILITY: No information available
BIOACCUMULATIVE POTENTIAL: Not available.
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.
WHMIS CLASS: D2A
TSCA: All ingredients are on, or exempt from, the list.

SECTION 16: OTHER INFORMATION

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The information contains herein is given in good faith, but no warranty, expressed or implied, is made.