



# Safety Data Sheet RECONSTEC 100

Revision Date : 03/15/2016

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: RECONSTEC 100

### Recommended use of the chemical and restrictions on use

Recommended use: Granite repair mortar

Restrictions on use: N.A.

### Supplier:

Produits Constec Inc.

914, Berlier - Laval QC H7L 4K5 CANADA

### Emergency 24 hour numbers:

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION



### Classification of the chemical

Skin Irrit. 2	Causes skin irritation.
Eye Dam. 1	Causes serious eye damage.
Resp. Sens. 1	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1	May cause an allergic skin reaction.
Muta. 2	Suspected of causing genetic defects if inhaled.
Carc. 1A	May cause cancer if inhaled.
STOT SE 3	May cause respiratory irritation.
STOT RE 1	Causes damage to lungs through prolonged or repeated exposure.

### Label elements

#### Symbols:

Code	Description
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.



# Safety Data Sheet

## RECONSTEC 100

Revision Date : 03/15/2016

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H341.A	Suspected of causing genetic defects if inhaled.
H350.A	May cause cancer if inhaled.
H372.2	Causes damage to lungs through prolonged or repeated exposure.

Code	Description
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260.B	Do not breathe dust.
P264.2	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P302+P352.A	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321.A	Specific treatment (see supplementary instructions on this label)
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P342+P311.A	If experiencing respiratory symptoms: Call a POISON CENTER.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501.A	Dispose of contents/container in accordance with applicable regulations.

### Ingredient(s) with unknown acute toxicity:

None

### Hazards not otherwise classified identified during the classification process:

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

N.A.

### Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

### List of components

Quantity	Name	Ident. Numb.	Classification
50-60 %	Silica Sand	CAS:14808-60-7	Carc. 1A, H350.A; STOT RE 1, H372.A

Date: 03/15/2016      Production Name : RECONSTEC 100      Page n. 2 of 11



# Safety Data Sheet RECONSTEC 100

Revision Date : 03/15/2016

20-30 %	Portland cement	CAS:65997-15-1	STOT SE 3, H335; Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Irrit. 2, H315
1-5 %	Calcium sulphate	CAS:7778-18-9	STOT SE 3, H335
1-5 %	Silicon dioxide	CAS:69012-64-2	Carc. 2, H351

## 4. FIRST AID MEASURES

### Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

I Consult a doctor immediately and show him packing or label.

### Most important symptoms/effects, acute and delayed

Eye irritation

Eye damages

Skin Irritation

Erythema

### Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media:

None in particular.

### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into



# Safety Data Sheet

## RECONSTEC 100

Revision Date : 03/15/2016

drains.

Move undamaged containers from immediate hazard area if it can be done safely.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

#### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

#### Conditions for safe storage, including any incompatibilities

Storage temperature: N.A.

Always keep in a well ventilated place.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m <sup>3</sup>	Long Term ppm	Short Term mg/m <sup>3</sup>	Short Term ppm	Behaviour	Note
Silica Sand	ACGIH			0,025					A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis;
Portland cement	OSHA			15					
	OSHA			5					
	ACGIH			1					A4 - Not Classifiable as a Human Carcinogen ; pulmonary function; respiratory symptoms;



# Safety Data Sheet RECONSTEC 100

Revision Date : 03/15/2016

asthma;

Calcium sulfate	OSHA	15
	OSHA	5
	ACGIH	10

nasal symptoms;

Appropriate engineering controls: N.A.

## Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state: Solid

Appearance and colour: Powder white

Odour: N.A.

Odour threshold: N.A.

pH in Water Dispersion: 12.00

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: Not Applicable

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: N.A.

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

Solid/gas flammability: N.A.

### Other information

Substance Groups relevant properties N.A.

Miscibility: N.A.

Fat Solubility: N.A.



# Safety Data Sheet RECONSTEC 100

Revision Date : 03/15/2016

Conductivity: N.A.

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Data not Available.

### Possibility of hazardous reactions

None.

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

None.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

Silica Sand	a) acute toxicity	LD50 Oral Rat = 500mg/kg
Calcium sulfate	a) acute toxicity	LD50 Oral Rat > 3000mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

#### Substance(s) listed on the IARC Monographs:

Silica Sand Group 1

#### Substance(s) listed as OSHA Carcinogen(s):

Silica Sand

#### Substance(s) listed as NIOSH Carcinogen(s):

Silica Sand

#### Substance(s) listed on the NTP report on Carcinogens:

Silica Sand

## 12. ECOLOGICAL INFORMATION



# Safety Data Sheet RECONSTEC 100

Revision Date : 03/15/2016

## Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

## List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
50-60 %	Silica Sand	CAS: 14808-60-7	LC50 a) Aquatic acute toxicity carp> 10000,00000mg/L 72h
1-5 %	Calcium sulphate	CAS: 7778-18-9	LC50 a) Aquatic acute toxicity Fish Lepomis macrochirus= 2980mg/L 96h EPA LC50 a) Aquatic acute toxicity Fish Pimephales promelas> 1970mg/L 96h EPA

## Persistence and degradability

N.A.

## Bioaccumulative potential

N.A.

## Mobility in soil

N.A.

## Other adverse effects

N.A.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### UN number

ADR-UN number: N.A.

DOT - UN Number: N.A.

IATA-Un number: N.A.

IMDG-Un number: N.A.

### UN proper shipping name

ADR-Shipping Name: N.A.

DOT -Proper Shipping Name: N.A.

IATA-Technical Name: N.A.

IMDG-Technical Name: N.A.

### Transport hazard class(es)

ADR-Class: N.A.

DOT - Hazard Class: N.A.

IATA-Class: N.A.

IMDG-Class: N.A.

### Packing group

ADR-Packing Group: N.A.

DOT-Packing group: N.A.



# Safety Data Sheet RECONSTEC 100

Revision Date : 03/15/2016

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IATA-Packing group: N.A.  
IMDG-Packing group: N.A.

## Environmental hazards

Marine pollutant: No  
Environmental Pollutant: N.A.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
N.A.

## Special precautions

Department of Transportation (DOT):  
N.A.  
Road and Rail (ADR-RID):  
N.A.  
Air (IATA):  
N.A.  
Sea (IMDG):  
N.A.

## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

##### TSCA inventory:

All the components are listed on the TSCA inventory

##### TSCA listed substances:

Silica Sand is listed in TSCA Section 8b  
Portland cement is listed in TSCA Section 8b  
Calcium sulphate is listed in TSCA Section 8b  
Silicon dioxide is listed in TSCA Section 8b

### SARA - Superfund Amendments and Reauthorization Act

#### Section 302 - Extremely Hazardous Substances:

no substances listed

#### Section 304 - Hazardous substances:

no substances listed

#### Section 313 - Toxic chemical list:

no substances listed

### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

#### Substance(s) listed under CERCLA:

no substances listed

### CAA - Clean Air Act

#### CAA listed substances:

no substances listed

### CWA - Clean Water Act

#### CWA listed substances:

Date: 03/15/2016      Production Name : RECONSTEC 100

Page n. 8 of 11





# Safety Data Sheet RECONSTEC 100

Revision Date : 03/15/2016

no substances listed

## USA - State specific regulations

### California Proposition 65

#### Substance(s) listed under California Proposition 65:

Silica Sand Listed as carcinogen

#### Massachusetts Right to know

#### Substance(s) listed under Massachusetts Right to know:

Silica Sand

Portland cement

Calcium sulphate

#### Pennsylvania Right to know

#### Substance(s) listed under Pennsylvania Right to know:

Silica Sand

Portland cement

Calcium sulphate

#### New Jersey Right to know

#### Substance(s) listed under New Jersey Right to know:

Silica Sand

Portland cement

Calcium sulphate

## 16. OTHER INFORMATION

Code	Description
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H341.A	Suspected of causing genetic defects if inhaled.
H350.A	May cause cancer if inhaled.
H351	Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H372.2	Causes damage to lungs through prolonged or repeated exposure.
H372.A	Causes damage to organs through prolonged or repeated exposure if inhaled.

Safety Data Sheet dated: 3/15/2016

Product code: 100



# Safety Data Sheet RECONSTEC 100

Revision Date : 03/15/2016

## Additional classification information

HEALTH	*	2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		E



**HMIS Health: 2 = MODERATE**  
**HMIS Health - Is health hazard chronic?: Yes**  
**HMIS Flammability: 0 = Not Combustible**  
**HMIS Reactivity: 0 = MINIMAL**  
**HMIS P.P.E.: Safety glasses, gloves, dust respirators**  
**NFPA Health: 2 = MODERATE**  
**NFPA Flammability: 0 = Not Combustible**  
**NFPA Reactivity: 0 = MINIMAL**  
**NFPA Special Risk: NONE**

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This SDS cancels and replaces any preceding release.

## Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
IMDG: International Maritime Code for Dangerous Goods.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.  
CLP: Classification, Labelling, Packaging.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
INCI: International Nomenclature of Cosmetic Ingredients.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
LC50: Lethal concentration, for 50 percent of test population.



## Safety Data Sheet **RECONSTEC 100**

Revision Date : 03/15/2016

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LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.