
1. Product and company identification

Product name : Bauxaline®.

SDS number : 000223

Use (s) : Agronomic support, artificial reefs, ceiling of industrial waste, injection filling, coloration, building and materials application (coloration of concrete, paints, etc..).

Appearance and odour : Aspect of red-brown coloured earth, odourless.

Supplier : Rio Tinto Alcan (RTA)
Bauxite and Alumina
1188 Sherbrooke West
Montréal, Québec
Canada
H3A 3G2

Emergency phone: 1-800-567-7455*
Phone : 514 848-8000
Fax : 514 848-8115/8116

* Please call collect for outside calls of North America.

****See section 16 for producer(s) identification****

Prepared by : Rio Tinto Alcan Toxicology Service
P.O. Box 1500
Jonquière, Québec G7S 4L2
Canada

Phone: 418 699-2707
Fax : 418 699-2993
E-mail : servicetoxico@alcan.com

2. Hazards identification

Not hazardous.

3. Composition / Information on ingredients

Components :

CAS	EC number	Designation	Content	Warning symbol (s)	R Phrase(s)
1309-37-1	215-168-2	Diiron trioxide	45 - 51%	-	-
1344-28-1	215-691-6	Aluminum oxide	12 - 16 %	-	-
14808-60-7	238-878-4	Silica cristalline (quartz)	6 - 8 %	-	-
13463-67-7	236-675-5	Titanium dioxide	9 - 13 %	-	-
12401-86-4	235-641-7	Sodium oxide	3 - 5 %	-	-
1305-78-8	215-138-9	Calcium oxide	3 - 7 %	-	-

Identification number of European Commission relative to EINECS (European Inventory of Existing Commercial chemical Substances) or ELINCS (European List of Notified Chemical Substances.).

4. First Aid

Inhalation : If overcome by high dust concentrations, remove to a ventilated area.

Skin contact : Wash skin thoroughly with soap and water.

Eyes contact : Flush eyes thoroughly with water, taking care to rinse under eyelids. If irritation persists, continue flushing for 15 minutes, rinsing from time to time under eyelids. If discomfort continues, consult a physician.

Ingestion : Do not induce vomiting. Consult a physician.

5. Fire fighting measure (s)

Extinguishing media : Non combustible.

Hazardous combustion product(s) :

Not applicable

6. Accidental release measures

Environmental protection / cleaning method(s):

Recycle if possible. Contain and collect, using appropriate methods to reduce airborne dust.

7. Handling and storage

Handling precautions : Avoid generating dust during handling.

Storage conditions :

Not applicable

8. Exposure controls / Personal protection

Exposure controls / personal protection :

Provide general and local ventilation to maintain concentrations of air contaminants below recommended standards. Wear eye and respiratory protection (goggles and mask), or a full-face respirator if necessary.

Exposure limits :

CAS number	Designation	Exposure limits			
1344-28-1	Aluminum oxide • Total dust	ACGIH (TLV®)	TWA : 10 mg/m ³	STEL :	aucune
		OSHA (PEL)	TWA : 15 mg/m ³	CEILING :	aucune
		OELs	AEL : 10 mg/m ³	SEL :	aucune
	• Respirable dust	OSHA (PEL)	TWA : 5 mg/m ³	CEILING :	aucune
14808-60-7	Silica cristalline (quartz) • Respirable dust	ACGIH (TLV®)	TWA : 0.05 mg/m ³	STEL :	aucune
		OSHA (PEL)	TWA : (10 mg/m ³) / (% SiO ₂ + 2)	CEILING :	aucune
		OELs	AEL : 0.1 mg/m ³	SEL :	aucune
13463-67-7	Titanium dioxide	ACGIH (TLV®)	TWA : 10 mg/m ³	STEL :	aucune
		OSHA (PEL)	TWA : 15 mg/m ³	CEILING :	aucune
		OELs	AEL : 10 mg/m ³	SEL :	aucune
1309-37-1	Iron oxide • Dust and fume (as Fe)	ACGIH (TLV®)	TWA : 5 mg/m ³	STEL :	aucune
		OSHA (PEL)	TWA : 10mg/m ³	CEILING :	aucune
		OELs	AEL : 5 mg/m ³	SEL :	aucune
1305-78-8	Calcium oxide	ACGIH (TLV®)	TWA : 2 mg/m ³	STEL :	aucune
		OSHA (PEL)	TWA : 5 mg/m ³	CEILING :	aucune
		OELs	AEL : 2 mg/m ³	SEL :	aucune

(ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = Occupational Safety and Health Administration; TLV ®= Threshold Limit Value [USA]; PEL = Permissible Exposure Limit; TWA = Time-Weighted Average; STEL = Short Term Exposure Limit; C = Ceiling value; OELs= Occupational Exposure Limit values; AEL= Average Exposure Limit values; SEL= Short-term Exposure Limit values; CAS = Number of Chemical Abstracts Service.)

9. Physical and chemical properties

pH :	9 - 10	Flash point :	Not applicable
Boiling point :	Not applicable	Autoignition temperature :	Not applicable
Melting point :	Not determined	Lower flammable limit :	Not applicable
Vapour pressure :	Not applicable	Higher flammable limit :	Not applicable
Vapour density (air=1) :	Not applicable	Explosive properties :	Not applicable
Evaporation rate :	Not applicable	NFPA fire code :	0
Relative density (water=1) :	3.2	Oxidizing properties :	Not applicable
Water solubility :	Negligible	Partition coefficient (n-octanol/water) :	Not determined
Odour threshold :	Not determined		

10. Stability and reactivity

Stable (yes/no) :	Yes
Conditions and material to avoid :	Not applicable
Hazardous decomposition product(s) :	Not applicable

11. Toxicological information

Acute effects :

Inhalation :	L'inhalation de fortes concentrations de ces particules nuisibles peut causer une légère irritation des voies respiratoires.
Skin contact :	May cause irritation.
Eyes contact :	May cause irritation through mechanical abrasion.
Ingestion :	Not applicable

Chronic effects :

Medical conditions aggravated by exposure to the product :

Not applicable

Carcinogenicity : None of the ingredients present at concentrations equal to or greater than 0.1% are listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

[IARC = International Agency for Research on Cancer; NTP = National Toxicology Program (USA); OSHA = Occupational Safety and Health Administration (USA)]

Mutagenicity : No data available.

Reproductive toxicity :

No data available.

12. Ecological information

Ecotoxicity :	No data available.
Mobility :	No data available.
Persistence/ biodegradability :	No data available.
Bioaccumulation :	No data available.

13. Disposal considerations

Methods of disposal :

Recycle if possible. This substance is inert and does not require special disposal methods. Dispose of waste in accordance with federal, state, or local regulations.

14. Transport information

TDGR: not regulated ; ADR : not regulated ; CFR 49: not regulated ; IMO: not regulated ; ICAO: not regulated ; IATA: not regulated .

(TDGR = Transport of Dangerous Good Regs.(Canada). ADR : European agreement relative to international transport of dangerous goods by road. CFR 49 = Code of Federal Regs.(USA). IMO = International Maritime Organization. ICAO = International Civil Aviation Organization. IATA = International Air Transport Association.)

15. Regulatory information

Canadian regulation :**WHMIS classification :**

Not controlled

WHMIS : Working Hazardous Material Information System.

European Union classification :

Not classified

Warning symbol(s) :

None

Risk phrase(s) :

None

Safety phrase(s) :

None

USA regulation(s) :**Section 313 Supplier Notification**

This product does not contain any chemicals in concentrations subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (Title III of SARA) and of 40 CFR 372.

16. Other information

National Fire Protection Agency (NFPA) codes - (Health, flammability, reactivity) : 0, 0, 0

Hazardous Material Information System (HMIS)- (Health, flammability, reactivity) : 0, 0, 0

Product grades available by manufacturer (this list may be incomplete) :

MANUFACTURER	GRADES
Rio Tinto Alcan Gardanne Works 13541 Gardanne France Phone : (33) 04 42 65 22 22 Fax : (33) 04 42 51 41 79	BH30 BH50b BSb100 BSb30

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This safety data sheet is in accordance with WHMIS, directives 2001/58/CE and AINSI Z400.1-2003.

Date of the previous revision: 2005-03-30

Reason for revision: Modification in section 1.