
1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Actiguard 600 PC and Actiguard 650 PC

PRODUCT NUMBER: 000096

SUPPLIER:

Rio Tinto Alcan (RTA) USA Bauxite and Alumina 6060 Parkland Boulevard Cleveland, Ohio, 44124-4185 Emergency phone : 1-800-567-7455* Phone : 440-460-2600 Fax : 440-260-2602	Rio Tinto Alcan (RTA) Canada Bauxite and Alumina 1188 Sherbrooke west Montréal, Québec, H3A 3G2 Emergency phone : 1-800-567-7455* Phone : 514-848-8000 Fax : 514-848-8115/8116
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* Please call collect for outside calls of North America.

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

SYNONYMS: Alumina / zeolite composite

APPEARANCE AND ODOUR: White pellets or granules, odourless.

USES: Adsorbent.

2. COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	LD ₅₀	LC ₅₀	CONC.
*Aluminum oxyde	1344-28-1	Unknown	Unknown	50 - 75%
Zeolite	1318-02-1	None	None	25 - 50%
Moisture	7732-18-5	None	None	3 - 8%

*under the form of activated alumina

3. HAZARDS IDENTIFICATION

May cause irritation of skin, eyes and respiratory tract.

4. FIRST AID MEASURES

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

SKIN CONTACT: Wash skin thoroughly with soap and water.

EYE 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: Not applicable

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Non combustible.

HAZARDOUS COMBUSTION PRODUCTS: If heated to decomposition, may emit toxic fumes of sodium oxide.

6. ACCIDENTAL RELEASE MEASURES

Collect solids. Recycle if possible.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Avoid generating dust during handling.

STORAGE CONDITIONS: Handle and store in a cool, well ventilated area away from incompatible materials.

8. 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. Wear gloves and appropriate clothing.

Exposure limits:

	ACGIH (TLV)		OSHA (PEL)	
	TWA	STEL	TWA	CEILING
Aluminum oxide (total dust)	10 mg/m ³	None	15 mg/m ³	None
- Respirable dust	None	None	5 mg/m ³	None
Nuisance particulates tot. (PNOS)	10 mg/m ³	None	15 mg/m ³	None
- Respirable dust	3 mg/m ³	None	5 mg/m ³	None

(ACGIH = American Conference of Governmental Industrial Hygienists; TLV = Threshold Limit Value; OSHA = Occupational Safety and Health Administration [USA]; PEL = Permissible Exposure Limit; TWA = Time-Weighted Average; STEL = Short Term Exposure Limit; Ceiling = Ceiling value)

9. PHYSICAL AND CHEMICAL PROPERTIES

PH:	1% aqueous solution: 9-10	FLASHPOINT:	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):	Not determined	OXIDIZING PROPERTIES:	Not applicable
WATER SOLUBILITY:	Slightly soluble.	PARTITION COEFFICIENT	Not applicable
ODOUR THRESHOLD:	Not applicable	(N-OCTANOL/WATER):	

10. STABILITY AND REACTIVITY

STABLE (YES/NO): Yes

CONDITIONS AND MATERIAL TO AVOID: Avoid contact with high concentrations of chemicals having high heats of adsorption, such as olefins, hydrochloric acid and water.

HAZARDOUS DECOMPOSITION PRODUCTS: If heated to decomposition, may emit toxic fumes of sodium oxide.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE:

INHALATION:	Yes	INGESTION:	No		
EYE CONTACT:	Yes	SKIN CONTACT:	Yes	SKIN ABSORPTION:	No

ACUTE EFFECTS:

INHALATION: Dust may irritate the respiratory system.

SKIN CONTACT: May cause irritation.

EYE CONTACT: May cause irritation.

INGESTION: Not applicable

CHRONIC EFFECTS:

May cause dryness of mucous membranes and skin.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE TO THE PRODUCT: Not applicable

CARCINOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY:

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)]

SUPPLEMENTARY INFORMATION:

Activated alumina may adsorb certain gases and liquids. While alumina itself is principally inert, it may exhibit properties of the adsorbed material.

12. ECOLOGICAL INFORMATION

Not harmful to aquatic life at concentration lower than 1%.

13. DISPOSAL CONSIDERATIONS

Recycle if possible. Dispose of waste in accordance with federal, state, or local regulations.

14. TRANSPORT INFORMATION

TDGR: not regulated CFR 49: not regulated IMO: not regulated ICAO: not regulated IATA: not regulated

[TDGR = Transport of Dangerous Good Regs.(Canada). CFR 49 = Code of Federal Regs.(USA). IMO = International Maritime Organization. ICAO = International Civil Aviation Organization. IATA = International Air Transport Association]

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION (CANADA): Not controlled
EUROPEAN UNION CLASSIFICATION:
WARNING SYMBOL: Xi
WARNING WORD: Irritant
RISK PHRASES: R36/38 : Irritating to eyes and skin.
SAFETY PHRASES: S24/25 Avoid contact with skin and eyes.

USA REGULATIONS :

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

Suppliers or plants :

Rio Tinto Alcan (RTA)
Bauxite and Alumina
Brocville Works
4000, Development Drive
Brockville, Ontario, Canada
K6V 5V5

Emergency phone : 1-800-567-7455*
Phone : 1-613-342-7462
Fax : 1-613-342-6943

* Please call collect for outside calls of North America.

ABBREVIATIONS:

WHMIS = Working hazardous material information system. CAS number = Chemical Abstracts Service Registry Number.
LD₅₀ = Lethal dose 50%; LC₅₀ = Lethal concentration 50%; LCL₀ = Lowest published lethal concentration. EU = European Union.

*** Although the information in this SDS was obtained from sources which we believe to be reliable, it cannot be guaranteed. In addition, this information may be used in a manner beyond our knowledge or control. The information is therefore provided for advice purposes only, without any representation or warranty express or implied. ***

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DATE OF THE PREVIOUS REVISION: 2006-11-21

REASON FOR REVISION: Modification in section 1.