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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** AA-300 Acidsorb

**PRODUCT NUMBER:** 000150 (P6314)

**SUPPLIER:**

Rio Tinto Alcan (RTA) USA Bauxite and Alumina 6060 Parkland Boulevard, Cleveland, Ohio, 44124-4185 <b>Emergency phone : 1-800-567-7455*</b> Phone : 440-460-2600 Fax : 440-260-2602	Rio Tinto Alcan (RTA) Canada Bauxite and Alumina 1188 Sherbrooke west Montréal, Québec, H3A 3G2 <b>Emergency phone : 1-800-567-7455*</b> 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:** Actiguard CL

**APPEARANCE AND ODOUR:** White powder or granules; odourless.

**USES:** Absorbent for acids.

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

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NAME	CAS #	LD <sub>50</sub>	LC <sub>50</sub>	CONC.
*Aluminum oxide	1344-28-1	Unknown	Unknown	73 - 77%
Sodium carbonate	497-19-8	4090 mg/kg (oral-rat)	Unknown	10 - 25%
Moisture	7732-18-5	None	None	3 - 5%

\*under the form of activated alumina

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## 3. HAZARDS IDENTIFICATION

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Irritation of respiratory tract and eyes.

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## 4. FIRST AID MEASURES

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**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. Do not scrub, since the abrasion may cause irritation.

**INGESTION:** Not applicable

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## 5. FIRE-FIGHTING MEASURES

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<b>EXTINGUISHING MEDIA:</b>	Non combustible. Use an extinguishing medium suited to the surrounding material.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	If heated to decomposition, may produce carbon and sodium oxides.

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## 6. ACCIDENTAL RELEASE MEASURES

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Collect solids. Recycle if possible.

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## 7. HANDLING AND STORAGE

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<b>HANDLING PRECAUTIONS:</b>	Avoid generating dust during handling.
<b>STORAGE CONDITIONS:</b>	Handle and store away from humidity and incompatible materials such as strong acids.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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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 <sup>3</sup>	None	15 mg/m <sup>3</sup>	None
- Respirable dust	None	None	5 mg/m <sup>3</sup>	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; C = Ceiling value)

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>PH:</b>	10.7 (1% sln)	<b>FLASHPOINT:</b>	Not applicable
<b>BOILING POINT:</b>	Not applicable	<b>AUTOIGNITION TEMPERATURE:</b>	Not applicable
<b>MELTING POINT:</b>	Not determined	<b>LOWER FLAMMABLE LIMIT:</b>	Not applicable
<b>VAPOUR PRESSURE:</b>	Not applicable	<b>HIGHER FLAMMABLE LIMIT:</b>	Not applicable
<b>VAPOUR DENSITY (AIR = 1):</b>	Not applicable	<b>EXPLOSIVE PROPERTIES:</b>	Not applicable
<b>EVAPORATION RATE:</b>	Not applicable	<b>ODOUR THRESHOLD:</b>	Not applicable
<b>RELATIVE DENSITY (WATER = 1):</b>	3.0 - 3.7	<b>OXIDIZING PROPERTIES:</b>	Not applicable
<b>WATER SOLUBILITY:</b>	Slightly soluble.	<b>PARTITION COEFFICIENT (N-OCTANOL/WATER):</b>	Not applicable

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## 10. STABILITY AND REACTIVITY

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**STABLE (YES/NO):** Yes

**CONDITIONS AND MATERIAL TO AVOID:** Store away from acids and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** If heated to decomposition, may produce carbon and sodium oxides.

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## 11. TOXICOLOGICAL INFORMATION

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**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 through mechanical abrasion.

**EYE CONTACT:** May cause irritation, redness, burns.

**INGESTION:** Not applicable

**CHRONIC EFFECTS:**

**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.

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## 12. ECOLOGICAL INFORMATION

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Harmful to aquatic life.

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORT INFORMATION

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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]

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## 15. REGULATORY INFORMATION

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<b>WHMIS CLASSIFICATION (CANADA):</b>	D2B Toxic material causing other toxic effects.
<b>EUROPEAN UNION CLASSIFICATION:</b>	
<b>WARNING SYMBOL:</b>	Xi
<b>WARNING WORD:</b>	Irritant
<b>RISK PHRASES:</b>	R36: Irritating to eyes.
<b>SAFETY PHRASES:</b>	S22 : Do not breathe dust. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### 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.

#### **TSCA - DSL** [USA - Canada]

This substance or all the ingredients of this product are on the Domestic Substances List (DSL - Canadian Environmental Protection Act [Canada]) as well as on the Chemical Substances Inventory of the Toxic Substances Control Act (TSCA Inventory [USA]). The presence on these lists does not require any legal reporting.

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## 16. OTHER INFORMATION

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### 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.  
LD<sub>50</sub> = Lethal dose 50%; LC<sub>50</sub> = Lethal concentration 50%; LCL<sub>0</sub> = 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.