
1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Carbon dust from dust collectors.

PRODUCT NUMBER: 000049 (P6328)

SUPPLIER: Rio Tinto Alcan (RTA)
Primary Metal
Sebree Works
P.O. Box 44
Henderson, Kentucky, USA
42419-0044

Emergency phone : 1-800-567-7455*
Phone : 270-521-7811
Fax : 270-521-7455

* Please call collect for outside calls of North America.

APPEARANCE AND ODOUR: Gray black dust, no substantial odor.

USES: Process by-product to be recycled.

2. COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	LD ₅₀	LC ₅₀	CONC.
Carbon	7440-44-0	Unknown	Unknown	80 - 90%
Sulfur	7704-34-9	Unknown	Unknown	2 - 3%
Aluminum	7429-90-5	Unknown	Unknown	3 - 4%
Sodium oxide	12401-86-4	Unknown	Unknown	0.5 - 1.5%
Iron oxide	1309-37-1	Unknown	Unknown	0.5 - 1.5%
Fluorides	16984-48-8	Unknown	Unknown	< 1.5%

3. HAZARDS IDENTIFICATION

Not hazardous.

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

INGESTION: Not applicable

5. FIRE-FIGHTING MEASURES

Combustible.

EXTINGUISHING MEDIA:

Dry chemicals, carbon dioxide.

Wear a self-contained breathing apparatus if necessary. Finely-divided, concentrated dust ($>400 \text{ gm/m}^3$) may ignite or explode when heated.

Moderate fire hazard if exposed to heat, fire or strong oxidizing agents.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon oxides, sulfur and nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Avoid spreading dust. Avoid contaminating ground water, waterways or sewers leading to surface water. Collect and place in clearly-identified appropriate containers. Use methods which do not result in environmental contamination. Recycle if possible.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Avoid generating excess dust during handling.

STORAGE CONDITIONS:

Keep away from strong oxidizing agents and intense heat. Due to the fine particle size of this material, caution must be used when handling, storing or otherwise managing this material to prevent the possibility of explosion.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Provide general and local ventilation to maintain concentrations of air contaminants below recommended standards. If dust concentrations exceed recommended exposure limits, use an appropriate respiratory protection device

EXPOSURE LIMITS:

	ACGIH (TLV)		OSHA (PEL)	
	TWA	STEL	TWA	CEILING
Carbon (as nuisance particulates) – total	10 mg/m ³	None	15 mg/m ³	None
- Respirable	3 mg/m ³	None	5 mg/m ³	None
Aluminum (total dust)	10 mg/m ³	None	15 mg/m ³	None
- Respirable dust	None	None	5 mg/m ³	None
Fluorides (in F)	2.5 mg/m ³	None	2.5 mg/m ³	None
Ferric oxide (fume, dust)	5 mg/m ³	None	10 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: (100% SOLUTION)	6.8 – 6.9	FLASHPOINT:	Not applicable
BOILING POINT:	Not applicable	AUTOIGNITION TEMPERATURE:	Not determined
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:	1
RELATIVE DENSITY (WATER = 1):	Not determined	OXIDIZING PROPERTIES:	Not applicable
WATER SOLUBILITY:	1 – 3%	PARTITION COEFFICIENT (N-OCTANOL/WATER):	Not applicable
ODOUR THRESHOLD:	Not applicable		

10. STABILITY AND REACTIVITY

STABLE (YES/NO):	Yes
CONDITIONS AND MATERIAL TO AVOID:	May react with strong oxidizing agents. Store away from intense heat.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon oxides, sulfur and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE:

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

ACUTE EFFECTS:

INHALATION:	Acute overexposure can cause respiratory tract irritation and nausea.
SKIN CONTACT:	May cause irritation through mechanical abrasion.
EYE CONTACT:	Irritation.
INGESTION:	Not applicable

CHRONIC EFFECTS:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE TO THE PRODUCT: Not determined

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)]

12. ECOLOGICAL INFORMATION

No effects are expected from this insoluble product because insolubility leads to non-bioavailability.

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:	Not applicable
WARNING SYMBOL:	Not applicable
WARNING WORD:	Not applicable
RISK PHRASES:	Not applicable
SAFETY PHRASES:	Not applicable

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

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: 2005-05-24

REASON FOR REVISION: Modification in section 1.