
1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Drawbench paste -Sedalia, Roseburg.

PRODUCT NUMBER: 000120 (P6272)

SUPPLIER: Rio Tinto Alcan (RTA)
Engineered Product
3, Ravinia Drive, suite 1600
Atlanta, Georgia, USA
30346 2133

Emergency phone : 1-800-567-7455*

Phone : 770-394-9886

Fax : 770-395-9053

* Please call collect for outside calls of North America.

SYNONYMS: Drawbench sludge

APPEARANCE AND ODOUR: Silvery paste, petroleum odor.

USES: Aluminum to be recycled. Oxidation inhibitor in steelmaking. By-product of the wire drawing process.

2. COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	LD50	LC50	CONC.
Aluminum	7429-90-5	Unknown	Unknown	65 - 75%
Aluminum oxide	1344-28-1	Unknown	Unknown	< 5%
Residual oils (petroleum), solvent-refined	64742-01-4	Unknown	Unknown	25 – 35 %
Butyl hydroxytoluene	128-37-0	890 mg/kg (oral-rat)	Unknown	< 0.2%

3. HAZARDS IDENTIFICATION

Combustible.

4. FIRST AID MEASURES

INHALATION: If overcome by vapors or mists, remove to a ventilated area. Give artificial respiration if necessary. Call a physician.

SKIN CONTACT: Remove contaminated clothes. Wash skin thoroughly with soap and water. If irritation persists, consult a physician.

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:	Combustible. Use water only to cool intact containers exposed to fire. Use extinguishing media of a class D fire (sand, graphite, salt). Once oil content burns off, a fire becomes one involving a flammable metal and must be fought accordingly.
HAZARDOUS COMBUSTION PRODUCTS:	May release carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Small spills : Collect and place in clearly-identified appropriate containers. Use methods which do not result in environmental contamination.

Large spills : Absorb with vermiculite, perlite, or absorbent earth. Avoid contaminating ground water, waterways, or sewers leading to surface water.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:	Avoid skin and eye contact.
STORAGE CONDITIONS:	Store in a cool and dry area. Seal containers tightly.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering control : Provide general and local ventilation to maintain concentrations of air contaminants below recommended standards. Use an approved respirator designed for the hazard, where concentrations exceed exposure limits. Avoid prolonged or repeated contact with skin or eyes. Wear gloves and safety goggles as required.

EXPOSURE LIMITS:

	ACGIH (TLV)		OSHA (PEL)	
	TWA	STEL	TWA	CEILING
Aluminum (total dust)	10 mg/m ³	None	15 mg/m ³	None
- Respirable dust	None	None	5 mg/m ³	None
Oil mists (mineral)	5 mg/m ³	10 mg/m ³	5 mg/m ³	None
Aluminum oxide (total dust)	10 mg/m ³	None	15 mg/m ³	None
- Respirable dust	None	None	5 mg/m ³	None
Butylated hydroxytoluene	2 mg/m ³	None	None	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)

9. PHYSICAL AND CHEMICAL PROPERTIES

PH:	Not applicable	FLASHPOINT:	> 200°C
BOILING POINT:	> 260°C	AUTOIGNITION TEMPERATURE:	Not applicable
MELTING POINT:	Not applicable	LOWER FLAMMABLE LIMIT:	Not determined
VAPOUR PRESSURE:	Not determined	HIGHER FLAMMABLE LIMIT:	Not determined
VAPOUR DENSITY (AIR = 1):	Not determined	EXPLOSIVE PROPERTIES:	Not determined
EVAPORATION RATE:	Not applicable	NFPA FIRE CODE:	1
RELATIVE DENSITY (WATER = 1):	approx. 2.5	OXIDIZING PROPERTIES:	Not applicable
WATER SOLUBILITY:	Insoluble.	PARTITION COEFFICIENT (N-OCTANOL/WATER):	Not determined
ODOUR THRESHOLD:	Not determined		

10. STABILITY AND REACTIVITY

STABLE (YES/NO): Yes

CONDITIONS AND MATERIAL TO AVOID: Store away from all sources of heat or ignition. Avoid contact with water or moisture.

HAZARDOUS DECOMPOSITION PRODUCTS: Stable material. If heated to decomposition, emits smokes and toxic gases of carbon monoxide and dioxide. Aluminum powder may react with water or moisture to evolve hydrogen.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE:

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

ACUTE EFFECTS:

INHALATION: Certain operations generate vapors or oil mists which may be irritating to the respiratory tract.

SKIN CONTACT: Skin drying and peeling. May cause a slight irritation.

EYE CONTACT: Irritation

INGESTION: Not applicable

CHRONIC EFFECTS:

Prolonged or repeated skin contact may cause irritation and/or dermatitis.

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

Fouling to shoreline. Avoid contaminating surface water, waterways or sewers leading to surface water.

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:	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.

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REASON FOR REVISION: Modification in section 1.