



ABN. 30 003 096 508

## Mining Release Agent



### Overview:

- The release agent for eliminating ore build-up in mining and/or processing equipment.
- Opportunity to increase productivity without any capital expenditure.
- MRA product penetrates metal, wood or rubber to create a non-stick film.
- 100% environmentally friendly with EcoLogoM certification, non-toxic and biodegradable.
- Used in open pit or underground mines and processing plants.
- Applications: Truck Beds, Undercarriages, Chutes, Skips, Loader Buckets, Conveyor, Crushing Stations, Hoppers etc.
- Significantly reduces the amount of clay and mud build-up on vehicle undercarriages.
- No effect on downstream processing circuit.
- Proven to work for any type of mining – base metals, precious metals, oil sands, coal, etc.

- Automated application systems or electric hand-held spray systems designed and fabricated specifically for your application.
- Coverage areas of approximately 25 square meters per litre of MRA.
- Reduces the amount of down-time required for cleaning of truck beds and equipment.
- Reduces the likelihood of employee injury caused by cleaning of equipment.



## FREQUENTLY ASKED QUESTIONS

**Question:** What is MRA?

**Answer:** MRA is a 100% environmentally friendly non-stick release agent. It eliminates or significantly reduces deadbed (a.k.a. carry-back) on mining or processing equipment.

**Question:** How can MRA help my mine or plant?

**Answer:** We pride ourselves as being a “total deadbed solution” to the mining industry. We perform mine audits to evaluate ore sticking problems and provide a full report to customers with where the problem is occurring, what can be done to stop the problem and what productivity increases can be expected following the implementation of MRA.

**Question:** Where can MRA be used?

**Answer:** Applications include haul truck beds, vehicle undercarriages, chutes, loading pockets, skips, conveyor belts, loader buckets, Hoppers etc.

**Question:** What surfaces will MRA work on?

**Answer:** Metal, Wood, Rubber

**Question:** What productivity increases have been experienced at mines?

**Answer:** Productivity increases of up to 20% of been experienced. It will depend on the amount of deadbed that the mine equipment has built up without using MRA.

**Question:** How much product is needed for a given surface area?

**Answer:** 1 litre of MRA will cover approximately 25m<sup>2</sup>. MRA cannot be diluted.

**Question:** Will MRA affect my downstream processing circuit?

**Answer:** No. Less than 1ml of MRA is used per ton of ore. Less than contaminant from hydraulic oil or lubricant.

**Question:** Does MRA contain any carcinogens or reproductive hazards?

**Answer:** No. MRA follows a strict environmental guideline. MRA is the only release agent in the world with an EcoLogoM designation.

**Question:** How can I get started with MRA?

**Answer:** Contact Rob Wales on 02 8814 9699 or [rwales@klambon.com.au](mailto:rwales@klambon.com.au)