

**Global Barrier Services, Inc.**  
1001 Avenida Pico, Suite C-433, San Clemente, CA 92673  
RE: SDS – MINING RELEASE AGENT MRA™

(949) 542-7440

## Safety Data Sheet

<b>Section 1</b>	<b>Identification of the Material and Supplier</b>
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### Product Identification:

<b>Trade Name</b>	<b>MINING RELEASE AGENT (MRA™)</b>
<b>Other Names</b>	None
<b>Product Type</b>	Mining Truck Bed & Equipment Release Agent
<b>Recommended Use</b>	Use of product on mining and/or mineral processing equipment will eliminate or significantly reduce ore buildup
<b>Possible Applications</b>	Truck Beds, Undercarriages, Chutes, Loaders, Skips, Conveyor Belts, Ore Cars
<b>DOT Shipping Name</b>	Industrial Process Liquid
<b>CAS Number</b>	8001-22-7

### Company Identification:

<b>Company</b>	<b>Global Barrier Services, Inc.</b>
<b>Address</b>	1001 Avenida Pico, Suite C-433 San Clemente, CA United States 92673
<b>Phone Number</b>	(949) 542-7440

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<b>Section 2</b>	<b>Hazards Identification</b>
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<b>Hazardous Ingredients:</b>	<b>CAS #</b>	<b>Composition %</b>	<b>Exposure Criteria</b>
None	N/A	TM	Non-hazardous

<b>Section 3</b>	<b>Composition/Information on Ingredients</b>
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<b>Common Name</b>	<b>Composition by Weight</b>
Natural Oil	25 – 98%
Additive – Non-hazardous	.01 – 50%

<b>Section 4</b>	<b>First Aid Measures</b>
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**Toxicity Information:** Non-hazardous



**WARNING:**  
Harmful if swallowed

**Emergency & First Aid Procedures:**

<b>Inhalation:</b>	If choking or allergic reaction occurs, seek immediate medical attention.
<b>Ingestion:</b>	Drink water to dilute and seek immediate medical attention.
<b>Skin Contact:</b>	Wash area with soap and water. If allergic reaction occurs, seek immediate medical attention.
<b>Eye Contact:</b>	Flush with water for 15 minutes and seek immediate medical attention

<b>Section 5</b>	<b>Fire Fighting Measures</b>
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**Safety Ratings:**

<b>NFPA Rating</b>	Zero
<b>HMIS</b>	Zero
Hazard Index Flammability	

**Hazard Data:**

<b>Flash Point (&amp; Method Use)</b> <b>Closed Cup</b>	>540°F (232°C) TCCC
<b>Flammable Limits in Air by Volume</b>	
• <b>Upper Limit</b>	N.D.
• <b>Lower Limit</b>	N.D.
<b>Auto Ignition Temp. (AIT)</b>	418°C
<b>Auto Ignition Temp. (CFT)</b>	335°C
<b>Extinguishing Media</b>	Dry Chemical; Foam; CO <sub>2</sub>

**Special Firefighting Instructions:**

Class 3B. Use water spray to cool drums exposed to fire. Oil soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap and water.

**Unusual Fire and Explosion Hazard:**

None Known

<b>Section 6</b>	<b>Accidental Release Measures</b>
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**Action if Material is Released or Spilled**

- Small spills can be absorbed on an inert material and disposed of in a landfill according to local regulations.
- Any residual can be flushed to drain with excess water.
- Material 99.8% Biodegradable.
- Mild caustic (pH 9.5) may be used to remove residual product film.

**Waste Disposal Method:**

- Dispose according to federal, state and local regulations.
- This product contains no components that are reportable under CERCLA.

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- It is not considered to be a hazardous waste.

<b>Section 7</b>	<b>Handling and Storage</b>
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**Handling**

- Handle with caution. Avoid spilling.

**Storage**

- Container must be kept sealed when not in use.
- Recommended storage temperature: 0°C - 29°C (34°F - 84°F)

**Shelf Life**

- When stored under the proper environment, product has a guaranteed shelf life of two (2) years

**General Hygiene Advice**

- Wash hands before eating after handling product
- Remove contaminated clothing and protective equipment before entering eating areas
- Prohibit eating, drinking and smoking in contaminated areas

<b>Section 8</b>	<b>Exposure Controls/Personal Protection</b>
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**Precautionary Health Measures:**

<b>Respiratory Protection</b>	Recommended for those with oil allergies
<b>Eye Protection</b>	Safety glasses recommended
<b>Gloves</b>	Recommended

**Engineering Controls:** Use in a well ventilated area

<b>Section 9</b>	<b>Physical and Chemical Properties</b>
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**Physical and Chemical Properties:**

<b>Boiling Point</b>	>212° F	<b>Melting Point</b>	N.A.
<b>Freezing Point</b>	-4°F (-20°C)	<b>Vapor Pressure</b>	N.D.
<b>Specific Gravity</b>	.925 @ 20C.	<b>Solubility in Water</b>	N.S.
<b>Vapor Density</b>	N.D.	<b>Evaporation Rate</b>	<1
<b>% Volatile</b>	N.D.	<b>pH</b>	6.4
<b>Appearance</b>	Cloudy and or Blue Liquid		

<b>Section 10</b>	<b>Stability and Reactivity</b>
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**Stability and Reactivity Data:**

<b>Stability</b>	Stable
<b>Incompatibility</b>	Strong Oxidizing Agents
<b>Hazardous Decomposition Ingredients</b>	None
<b>Hazardous Polymerization</b>	Will not occur

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<b>Section 11</b>	<b>Toxicological Information</b>
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**Toxicity to Animals:**

LD50: LD50: more than 16,744mg/Kg Body Weight or more than 27.0mL/Kg Body Weight.

Categorized as Toxicity Category IV according to EPA (1998) or Toxicity Category 5 according to OECD (2001). Relatively low toxicity.

LC50: Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

<b>Section 12</b>	<b>Ecological Information</b>
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**Biological Limit Values:** No biological limit allocated

<b>Section 13</b>	<b>Disposal Considerations</b>
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**Disposal Methods:** Incineration recommended; sewage disposal is discouraged. Always dispose of used containers in accordance with local regulations.

**Special Precautions for landfill:** Small quantities absorbed by Oil-dry can be disposed of in the landfill with container. But prior to disposing, please check local landfill disposal laws.

<b>Section 14</b>	<b>Transportation Information</b>
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**Transport Considerations:**

- Transport in UN-certified container

Do not stack containers

<b>Section 15</b>	<b>Regulatory Information</b>
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**National Exposure Standards**

The current Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) for natural oil mist is 15 milligrams per cubic meter (mg/m<sup>3</sup>) of air for total dust, and 5 mg/m(3) for the respirable fraction, as an 8-hour time-weighted average (TWA) concentration [29 CFR 1910.1000, Table Z-1].<sup>1</sup>

<b>Section 16</b>	<b>Other Information</b>
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**CAUTION:**

- For industrial use ONLY

**CAUTION:**

- Keep out of reach of children.

*PREPARED BY: Global Barrier Services, Inc.*

*DATE: 1-12-2017*

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<sup>1</sup> Source: <http://www.osha.gov/SLTC/healthguidelines/vegetableoilmist/recognition.html>