

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

Section 1	Identification of the Material and Supplier
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Product Identification:

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

Company Identification:

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

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

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

Section 4	First Aid Measures
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Toxicity Information: Non-hazardous**WARNING:**
Harmful if swallowed**Emergency & First Aid Procedures:**

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

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Section 5	Fire Fighting Measures
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Safety Ratings:

NFPA Rating	Zero
HMIS Hazard Index Flammability	Zero

Hazard Data:

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

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

Section 6	Accidental Release Measures
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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.

Section 7	Handling and Storage
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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

Section 8	Exposure Controls/Personal Protection
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Precautionary Health Measures:

Respiratory Protection	Recommended for those with oil allergies
Eye Protection	Safety glasses recommended
Gloves	Recommended

Engineering Controls: Use in a well ventilated area

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Section 9	Physical and Chemical Properties
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Physical and Chemical Properties:

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

Section 10	Stability and Reactivity
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Stability and Reactivity Data:

Stability	Stable
Incompatibility	Strong Oxidizing Agents
Hazardous Decomposition Ingredients	None
Hazardous Polymerization	Will not occur

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Section 11	Toxicological Information
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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.

Section 12	Ecological Information
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Biological Limit Values: No biological limit allocated

Section 13	Disposal Considerations
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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.

Section 14	Transportation Information
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Transport Considerations:

- Transport in UN-certified container

Do not stack containers

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Section 15	Regulatory Information
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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/m³) 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].¹

Section 16	Other Information
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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*

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