



MATERIAL SAFETY DATA SHEET

1 – PRODUCT IDENTIFICATION

Product name: **IM HIB-PLUS**
 Address: AIR DRILLING ASSOCIATES, INC.; 112 Road 2929; Aztec NM 87410; USA
 Phone: +1-505-334-5402
 Fax: +1-505-334-8409

2 – INFORMATION/COMPOSITION ON INGREDIENTS

INFORMATION/COMPOSITION: Corrosion Inhibitor, amine based, tertiary
 CAS Number: Proprietary

3 – HAZARDS IDENTIFICATION

MAIN HAZARDS: Ingestion / irritant to skin
 HAZARDS RATING: 2

Reference	Health	Fire	Reactivity
	0	0	0

NFPA or HMIS Key: 0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe

HEALTH HAZARDS: 2

PHYSICAL/CHEMICAL HAZARDS: 2

ENVIRONMENTAL HAZARDS: 0

4 – FIRST AID MEASURES

In case of :

Inhalation: Remove from exposure. If irritation persists seek medical attention
 Skin Contact: Wash thoroughly with soap and water. Avoid rigorous cleaning
 Eye Contact: Flush with plenty of water. If irritation or adverse symptoms seek medical attention
 Ingestion: If irritation or adverse symptoms develop, seek medical attention
Other information: N/A

5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:
 Suitable: Dry chemical, foam and carbon dioxide
 To avoid: N/A
 COMBUSTION PRODUCTS: Excessive heat may cause product to become unstable and slowly auto oxidize
 FIRE FIGHTING INSTRUCTIONS: Evacuate area of all unnecessary personnel.
 PROTECTIVE EQUIPMENT: **see Chapter 8**
 NOTE: Flash Point, Autoignition, LEL, UEL: **see Chapter 9**

6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with eyes, skin or clothing. Avoid breathing vapors, mist, fume or dust
 ENVIRONMENTAL PRECAUTIONS: N/A
 CLEANING/COLLECTING/DISPOSAL: Material can be handled as normal liquid. Use sand, scoop up and place in a waste container

7 – HANDLING AND STORAGE

HANDLING: Material can be handled as normal solid waste. Scoop up and place in a waste container
 Technical measures: N/A
 Other precautions: N/A
 Safe handling advice: Use dust respirators/masks due to powder dusting tendency
 STORAGE: Do not store near food or drink
 Storage Condition: Store dry at ambient temperatures. Use care when handling any chemical product
 Incompatible Products: Strong acids
 PACKING MATERIAL: Drums



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8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

COLLECTIVE PROTECTION MEASURES: Use care when handling any chemical product

PERSONAL PROTECTION EQUIPMENT: NIOSH approved protective equipment

Hand Protection: Rubber, plastic or cloth gloves

Eye Protection: Safety glasses

Skin/Body Protection: Protective clothing and SCBA

SPECIFIC HYGIENE PRACTICES: N/A

9 – PHYSICAL AND CHEMICAL PROPERTIES

<p>APPEARANCE</p> <p>Physical State: Liquid</p> <p>Color: Dark (brown)</p> <p>Odor: Odourless</p> <p>PH: 9.0-11.0</p> <p>TEMPERATURE CHARACTERISTICS</p> <p>Boiling Point (°C): N/R</p> <p>Melting Point (°C): N/R</p> <p>Freezing Point (°C): N/R</p> <p>SOLUBILITY: N/R</p> <p>In water: soluble</p> <p>In Organic Solvent: dispersible</p>	<p>TEMPERATURE RELATIVE TO FIRE/EXPLOSION</p> <p>Flash Point (°C) (method Used): >100 °C</p> <p>Autoignition (°C): N/A</p> <p>LEL (%): N/A</p> <p>UEL (%): N/A</p> <p>GASEOUS CHARACTERISTICS</p> <p>Vapor Pressure (kPa): N/R</p> <p>Vapor Density (Air = 1): N/R</p> <p>Evaporation Rate: N/R</p> <p>LIQUID CHARACTERISTICS</p> <p>Specific Gravity (H₂O = 1): 0.97 – 1.02</p> <p>Divided coefficient n-octanol/water (Log Pow): N/R</p> <p>Viscosity: Kinetic (m²/s) Dynamic (Pa.s)</p>
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10 – STABILITY AND REACTIVITY

REACTIVE (yes/No) (according to EPA definition): No

HAZARDOUS DECOMPOSITION PRODUCTS (Give names/Hazard classification): Nil

MATERIALS TO AVOID: Strong acids

CONDITIONS TO AVOID: High moisture

POLYMERISATION: N/A

11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Test	Species	Value/Time	Interpretation
Oral (LD ₅₀)	Rat	>100g/kg	>120 g/kg (orally toxic)
Dermal (LD ₅₀)		N/A	
Inhalative (LC ₅₀)		N/A	

PRIMARY EFFECTS OR LOCAL EFFECTS:

Skin contact: May produce slight irritation with prolonged contact with moistened product

Eye Contact: May produce mechanical irritation

Mucous membranes: Non-irritating

Ingestion: Passes through relatively inert. May cause some gastrointestinal upset

Inhalation: Breathing high concentrations of fumes may cause mechanical irritation of ENT

CARCINOGENIC EFFECTS: No

REPRODUCTIVE EFFECTS: No

MUTAGENIC EFFECTS: No



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12 – ECOLOGICAL INFORMATION

PERSISTENCE/DEGRADABILITY: N/A
 BIOACCUMULATION: Log Pow: N/A
 Interpretation: N/A
 ECOTOXICITY: N/A

13 – DISPOSAL CONSIDERATION

PRODUCTS OR RESIDUES:
 Disposal route: Manage in a permitted waste management facility.
 CONTAMINATED PACKAGING:
 Disposal route: Manage in a permitted waste management facility

14 – TRANSPORT INFORMATION

International regulations	N° UN	Label	Packing	Class	Danger
Land Transport (ADR/RID)	N/R				
Maritime Transport (IMG/IMO)	N/R				
Air Transport (IATA/ICAO)	N/R				

Other information:

15 – REGULATORY INFORMATION

REGULATIONS (U.A.E. or Other): Not regulated
 Labels/symbols: N/K
 R Phrases (Risk): N/R
 S Phrases (Safety): N/R

16 – OTHER INFORMATION

DISCLAIMER:

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