

**Section 1. Identification of Product and Company****Supplier**

ADA
640 Plaza Drive, Suite 270
Highlands Ranch, CO 80129
Telephone Number: 888-843-8416

Supplier Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300

Manufacturer Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300

Product Name: M-Prove™

Distributed By

ADA
640 Plaza Drive, Suite 270
Highlands Ranch, CO 80129
Telephone Number: 888-843-8416

CAS Number: N/A

Product/Material Uses

Mercury Oxidation Chemical

Section 2. Hazard(s) Identification**GHS Classification****OSHA/HCS Status**

This product is not considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200); irritant.

Hazard and Precautionary Statements

H320:	Causes eye irritation
H316:	Causes mild skin irritation.
H303:	May be harmful If swallowed.
P280:	Wear protective gloves/clothing/eye
P305 + P351 + P338	IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P315	Get medical advice/attention.

Primary Routes of Entry**Inhalation**

May cause respiratory irritation to mucous membranes and lung tissue. Not expected to present an inhalation hazard.

Skin Hazards

May cause skin irritation especially on repeated or prolonged contact.

Eye Hazards

Liquid, aerosols, vapors of the product may be irritating.

Ingestion Hazards

May be harmful if swallowed. Humans are more prone to nitrate and nitrite poisoning. This

Carcinogenicity

See Section 11 for additional information.

**Section 3. Composition/Information on Ingredients**

Ingredient Name	CAS Number	Percent of Total Weight
*Trade Secret	Not given	≤60% w/w
Water	N/A	Balance

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with plenty of water for at least 20 minutes while holding eyelids open. Remove contacts and continue rinsing. Get medical attention, if irritation persists.
Skin Contact	Remove contaminated clothing. Wash exposed area thoroughly with soap and water at least 20 minutes. Get medical attention if irritation develops or persists. Wash clothing before reuse.
Inhalation	Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Get immediate medical attention.
Ingestion	Wash mouth thoroughly with plenty of water if safe to do so. Do not induce vomiting or give anything by mouth to an unconscious person. Seek prompt medical attention.

Section 5. Fire-Fighting Measures**Fire and Explosion Hazards**

Flash Point: N/A

Auto Ignition Temperature: N/A

Special Hazards: The material will decompose slowly from 700°C, releasing poisonous and corrosive halide fumes.

Extinguishing Media

Use extinguishing media suitable for surrounding combustibles. Cool closed containers with water spray. Firefighters should wear self-contained breathing apparatus.

Section 6. Accidental Release Measures**Personal Precautions**

Use personal protective equipment recommended in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions

Use personal protective equipment recommended in Section 8.



In case of spill, leak or release

See Section 13.

Section 7. Handling and Storage

Handling Precautions

Avoid contact with skin and eyes. Use appropriate personal protective equipment (PPE) referenced in Section 8. Avoid inhalation of vapors or mist.

Storage Precautions

Keep containers closed when not in use. Store in cool, dry, well-ventilated place away from combustible materials. Protect from heat, light and moisture

Work/Hygienic Practices

Wash thoroughly with soap and water after handling. Do not use waterless hand cleaners.

Section 8. Exposure Controls/Personal Protection

<u>Ingredient Name</u>	<u>ACHIG TLV</u>	<u>OSHA PEL</u>
*Trade Secret	Not established for any chemical present	Not established for any chemical present
Engineering Measures	Use adequate ventilation from mechanical source to control airborne dust exposure.	
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Do not eat, smoke, or drink where material is handled processed or stored.	
Respiratory	Wear a NIOSH/MSHA approved respirator with a HEPA cartridge or equivalent.	
Eyes and Face	Wear safety glasses with side shields (or goggles) and a face shield.	

Section 9. Physical and Chemical Properties

Appearance	Orange to brown liquid
Odor	Odorless
pH	Not determined
Water Solubility	N/A
Vapor Density (air = 1)	N/A
Evaporation rate (butyl acetate = 1)	N/A
Boiling Point (°C)	130°C
Melting Point (°C)	N/A



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ADA Chemical Additive

Flash Point	Non-flammable
Explosive Properties	Non-explosive
Freezing Point (°F)	N/A
Specific Gravity (H ₂ O = 1 @ 70 °F)	1.54
Vapor Pressure	14mmHg at 20°C
Volatile Organic (VOC) Content	N/A

Section 10. Stability and Reactivity

Stable:	X	Unstable:		Hazardous Polymerization:		Occurs:		Does Not Occur	X
Conditions to Avoid	High heat and oxidizing agents.								
Incompatibility	High heat, oxidizing agents and strong acids.								
Decomposition Products	May release toxic and corrosive halide fumes.								

Section 11. Toxicological Information

Note: The toxicological information data presented are the result of studies conducted on the main active ingredient.

*Trade Secret	LD50 (oral, rat)	>1852 mg/kg
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Section 12. Ecological Information

Aquatic Toxicity

N/A

Persistence/Degradation

Biodegradation is not relevant for inorganic salts.

Bioaccumulation

Not expected to bioaccumulate.

Mobility in Soil

Expected to be mobile in soil.

Section 13. Disposal Considerations

Waste Disposal	Dispose of in a permitted waste management facility following all local, state, and federal regulations. Dry material may be placed in appropriate containers and disposed of in accordance with applicable governmental regulations.
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Section 14. Transport Information

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

Americas Region	Not Classified as hazardous by DOT for ground shipping
Proper Shipping Name	Not classified
U.N. Number	Not classified as hazardous
International	Follow U. N. recommendations on the Transport of Dangerous Goods, 17th edition, revised.
Ocean	Follow IMO International Maritime Dangerous Goods Code
Air	Follow IATA Dangerous Goods Regulation

Section 15. Regulatory Information

CERCLA sec. 103 RQ#	NO	EHS 302 TPQ	NO
RCRA Sec. 262.33	NO	TSCA Listed?	YES
SARA Sec. 261.33 RQ#	NO	EPA Special Hazard	NO
SARA 312 Name List	NO	CA Prop 65	NO
SARA 313 Name List	NO	REACH Listed?	NO

SARA Section 312 Hazardous Categories	
Immediate (acute) Health Hazard	NO
Delayed (chronic) Health Hazard	NO
Fire Hazard	NO
Reactivity Hazard	NO
Sudden Release of Pressure	NO

SECTION 16. Other Information

Occupational Safety & Health Administration (OSHA) CFR 1910.1200 Appendix E - Definition of Trade Secret, establishes criteria to be used in evaluating trade secrets.

*Trade secret means any confidential formula, pattern, process, device, information or compilation of information that is used in an employer's business, and that gives the employer an opportunity to obtain an advantage over competitors who do not know or use it.

NFPA Rating

Health: 1

Fire: 0

Reactivity: 0

Hazard: 0



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SAFETY DATA SHEET

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ADA Chemical Additive

Issue Date 05/7/2019 Supersedes all previous SDS for this product.

Disclaimer

This information relates to the product designated herein and does not relate to its use in combination with any other material or in any other process. To the best of ADA Carbon Solutions (Red River), LLC's and ADA-ES, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability, and completeness are not guaranteed. Users are responsible to verify this data for their own particular use and they assume all risks of their reliance upon information contained herein. ADA Carbon Solutions (Red River), LLC and ADA-ES, Inc., shall under no circumstances be liable for incidental or consequential damages as a result of reliance upon information contained herein.

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