Safety Data Sheet

Ida-Sol M-836H

Section 1: Product and Company Identification

Manufacturer	Ideas Additives LLC 625 S Main St. Lombard, IL 60148		
Telephone	(630) 620-2010	**Fax**	(630) 620-2014
Product Name	Ida-Sol M-836H		
Recommended Use	Water soluble corrosion inhibitor		
Restrictions on Use	For industrial/commercial use only		
Emergency Contact / Number	(630) 620-2010		

Section 2: Hazard Identification

Hazard Classification

Eye damage/irritation	Category 2A, Causes serious eye irritation
Skin corrosion/irritation	Category 2, Causes skin irritation
Sensitization, skin	Category 1, May cause an allergic skin reaction
Toxic to reproduction	Category 2, Suspected of damaging fertility or the unborn child



Precautionary statements

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing fumes, spray, mist, or vapors. Wash skin and contact areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and clothing, eye and face protection.
Response	IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.
Storage	Store locked up.
Disposal	Dispose of contents and container according to local, state/provincial, and federal regulations.

Section 3: Composition/Information on Ingredients

Component	CAS#	Concentration
Monoethanolamine	141-43-5	20 – 50
Octenylsuccinic acid	28805-58-5	20 - 50
Boric acid	10043-35-3	1 – 5
Aqueous blend of organic salts	Mixture	Balance

Section 4: First Aid Measures

General advice: Consult a physician if concerned. Show this safety data sheet to the doctor in attendance.
In case of eye contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice or attention if pain or vision impairment occurs and persists.
In case of skin contact: Rinse with plenty of soap and water. Get medical advice or attention if pain or rash occurs and persists.
If inhaled: Get medical advice or attention. If breathing, move person into fresh air. If not breathing, give artificial respiration.
If swallowed: Get medical advice or attention immediately. Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Most important symptoms/effects, acute and delayed: Eye pain or irritation, skin irritation or pain, skin rash
Indication of immediate medical attention and special treatment needed, if necessary: Eye pain

Section 5: Firefighting Measures

Suitable and Unsuitable Extinguishing Media: Product contains water and will not easily burn. Use water spray or fog, dry chemical, foam or carbon dioxide as appropriate for surrounding fire. No known unsuitable materials.
Specific Hazards Arising from the Chemical: May produce decomposition products, gases, and acrid vapors in a fire. Closed containers may rupture or explode when exposed to extreme heat. Vapors and fumes released at elevated temperatures may be irritating or harmful to the eyes, nose, throat and respiratory system.
Specific Protective Equipment and Precautions for Fire-Fighters: Wear self-contained breathing apparatus and full protective clothing. Follow good fire-fighting practices. Avoid breathing vapors and mists. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Do not enter enclosed area without a positive pressure, NIOSH-approved self-contained breathing apparatus. Closed containers may explode from high heat.

Section 6: Accidental Release Measures

Personal Precautions: Affected area may be slippery. Keep untrained or unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Environmental Precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Advise EPA, state, or local agencies as required.
Methods for Cleaning Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material if possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with soapy water and then rinse to remove fall hazard. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination and prevent fall hazard.

Section 7: Handling and Storage

Precautions for safe handling: Wear gloves and safety glasses. Persons with a history of skin sensitization or pregnant should not be exposed. Follow all company guidelines for chemicals. Do not breathe mist/vapors. Do not get in eyes, wash contact areas on skin, or on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. See Section 8 for personal protection equipment.
Conditions for safe storage, including any incompatibilities: Best stored in a dry place at 50 – 90 °F. Firmly reseal lid on container after use. Store only in original or compatible, clearly labeled container. Keep away from heat or flame, alkalis, oxidizing agents and acids. See Section 10.

Section 8: Exposure Control and Personal Protection

Exposure Limits

Component Name	ACGIH	OSHA
Boric acid	10 mg/m^3 (TLV)	15 mg/m^3 (PEL)
Monoethanolamine	3 ppm (TWA)	3 ppm (TWA)

Appropriate engineering controls: Good general ventilation should be used to avoid exceeding exposure limits. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain good air quality. Eye wash facilities and emergency shower must be available when handling this product.
Eye/face protection: Wear safety glasses or chemical safety goggles to protect eyes; use face shield when working with large amounts or when splashing is possible.
Skin protection: Wear protective clothing or gloves to minimize or avoid direct contact. Clean or wash contaminated clothing before reusing.
Respiratory protection: Wear suitable respiratory protection to avoid inhalation of fumes or mist in the absence of good ventilation or air flow.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Colorless or yellow liquid	**Flash Point (PMCC)**	Not Applicable
Specific Gravity (Water=1)	>1	**Upper Flammability Limits**	Not Applicable
Evaporation Rate (ether = 1)	Not Determined	**Lower Flammability Limits**	Not Applicable
pH	9.5	**Auto-ignition Temperature**	Not Applicable
Solubility in Water	Fully soluble	**Decomposition Temperature**	Not Applicable
Odor	Mild amine	**Vapor Pressure (kPa @ 20 °C)**	Not Determined
Odor Threshold	Not Determined	**Vapor Density (Air-=1)**	Not Determined
Melting/Freezing Point	Not Determined	**Partition Coefficient (n-octanol/water)**	Not Determined
Boiling Range	Not Determined	**Viscosity (SUS @ 100 °F)**	Not Determined
Initial Boiling Point	>200 °F	**Critical Temperature**	Not Determined
Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.			

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal storage, use and transport conditions
Chemical Stability: Stable under normal storage and use conditions
Possibility of Hazardous Reactions: None known under normal conditions
Conditions to Avoid: Keep away from high heat, hot surfaces. Avoid contact with incompatible materials.
Incompatible Materials: Strong oxidizers, strong acids
Hazardous Decomposition Products: CO and CO_2, low molecular weight hydrocarbons, acrid vapors or gases in a fire

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Effects:. May cause sensitization. Likely routes of exposure are skin and eye contact which may cause irritation. Inhalation or ingestion may be hazardous and cause illness or irritation.
Chronic Toxicity Effects: Long term or repeated exposure may aggravate any acute symptoms.
Respiratory or skin sensitization: None expected
Germ cell mutagenicity: Contains small amounts (<0.5%) of trimethyl phosphate which is classified as mutagenic.
Carcinogenicity: Contains small amounts (<0.5%) of trimethyl phosphate which is classified as carcinogenic.
Reproductive toxicity: Contains low level of boric acid; high doses have demonstrated fertility effects in animal studies. Human epidemiological studies have not shown these effects.

SECTION 12: ECOLOGICAL INFORMATION

General Guidelines: This product has not been tested. In the event of release to the environment inform federal, state/provincial or local authorities as required.
Toxicity: Avoid release to the environment.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of material and empty containers in accordance with local, state/province, and federal environmental regulations. Do not allow to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Packaging may contain product residues. Clean thoroughly before discarding or reusing.

SECTION 14: TRANSPORT INFORMATION

DOT, TDG, IMDG, IATA: Not regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventories: All ingredients are listed or exempt from listing on the TSCA, active (U.S.) and DSL (Canada) inventories.
SARA 311/312 Reporting Categories: Acute, chronic
SARA 313 Reportable Ingredients: None
California Prop 65: Not listed

SECTION 16: OTHER INFORMATION

Department Issuing SDS: Health and Safety

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