Safety Data Sheet

Ida-Sol D-804

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 Names	Ida-Sol D-804		
Recommended Use	Water Soluble Corrosion Inhibitor		
Restrictions on Use	For industrial/commercial use only		
Emergency Contact / Number	(800) 424-9300		

Section 2: Hazard Identification

Hazard Classifications



Specific target organ toxicity (repeated exposure)	Category 2, May cause damage to kidney, lungs or blood through prolonged or repeated exposure if swallowed
Toxic to reproduction	Category 2, Suspected of damaging fertility or the unborn child [effect, route]
Eye damage/irritation	Category 2B Causes eye irritation

Signal word Warning

Precautionary statements

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fumes, mist, vapors or spray. Wash hands and contact areas thoroughly after handling. Wear protective gloves and clothing, eye and face protection.
Response	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. Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local, state/provincial and federal regulations

Section 3: Composition/Information on Ingredients

Component	CAS#	Concentration
Amine borate	26038-87-9	50 - 80
Diethanolamine	111-42-2	10 - 20
Triethanolamine	102-71-6	10 - 20
Additional ingredients	Mixture	Balance

Section 4: First Aid Measures

Eye Contact

Flush eyes with clean, lukewarm water for at least 15 minutes while holding eyelids open. Remove contacts. Get medical attention if irritation occurs and persists.

Skin Contact

Wash affected area with mild soap and water then rinse with water. Remove any contaminated clothing and wash before reuse. Get medical attention if skin irritation or rash occurs and persists.

Ingestion

Never give anything by mouth to an unconscious person. Give water if victim is conscious. Do not induce vomiting without medical direction. Keep head below hips if vomiting occurs to prevent aspiration. Seek medical attention.

Inhalation

Remove to fresh air and seek medical attention if adverse effects are observed.

Most Important Symptoms / Effects
Skin rash or eye irritation
Indication of Immediate Medical Attention and Special Treatment, If Necessary
Persistent eye or skin pain or irritation

SECTION 5: FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media
Product contains water and does not burn. Use water spray, fog, dry chemical, or foam as appropriate for surrounding fire. High pressure water stream may spread fire. No known unsuitable materials.
Specific Hazards Arising from the Chemical
May produce CO, CO_2, decomposition products, flammable gases, and acrid vapors in a fire. Closed containers may rupture or explode when exposed to extreme heat.
Specific Protective Equipment and Precautions for Fire-Fighters
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. Isolate release area and keep unnecessary or untrained people away. Avoid skin or eye contact with spilled material. See Section 8 for personal protection gear.
Environmental Precautions
Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers, or waterways. Advise EPA, state, or local agencies as required.
Methods for Cleaning Up
Stop leak if you can without risk. Do not discharge to the environment. Transfer to labeled, sealable containers for product recovery or safe disposal. Small spills can be handled using absorbent material and transferred to containers for disposal. Larger spills should be diked and absorbed with binding agents such as sand or vermiculite to prevent runoff to the environment or sewer.

SECTION 7: HANDLING AND STORAGE

Handling and Storage
Wear protective clothing to prevent or minimize contact. Use good ventilation and follow all procedures and precautions for handling chemicals. Best stored in a dry place at 50 – 90 °F. Reseal lid on container after use. Store only in original or compatible, clearly labeled container.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

Component Name	ACGIH	OSHA
Diethanolamine	1 mg/m^3	Not Determined
Triethanolamine	5 mg/m^3	Not Determined
Monoethanolamine	3 ppm	3 ppm
Boric acid	10 mg/m^3	15 mg/m^3

Engineering Controls
Use appropriate ventilation to maintain atmosphere before exposure limits; avoid breathing aerosols or mists; use appropriate respirator if applicable.
Eye and Face Protection
Wear safety glasses or chemical safety goggles; use face shield when working with large amounts or when splashing is possible.
Skin Protection
Wear protective gloves to avoid repeated or prolonged contact.
Respiratory Protection
Maintain good ventilation or air flow. Wear suitable respiratory protection to avoid inhalation of aerosol particles.
General Hygiene
Follow accepted work practices for handling a possible skin and eye irritant. Do not eat, drink, or smoke in areas where this product is used or stored. Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Colorless to yellow liquid	**Flash Point (open cup)**	300 °F
Specific Gravity (Water=1)	>1.0	**Upper Flammability Limits**	Not Applicable
Evaporation Rate (ether = 1)	<1	**Lower Flammability Limits**	Not Applicable
pH	8.4 – 9.4	**Auto-ignition Temperature**	Not Applicable
Solubility in Water	Soluble	**Decomposition Temperature**	Not Determined
Odor	Slight ammonia	**Vapor Pressure (mm Hg/20 °C)**	<1
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 (cSt @ 40 °C)**	Not Determined
Initial Boiling Point	400 °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 and use conditions
Chemical Stability Stable under normal storage and use conditions
Possibility of Hazardous Reactions Will not react under normal conditions. May react with strong oxidants or reductants.
Conditions to Avoid Extreme heat or cold
Incompatible Materials Strong acids, strong oxidizing agents
Hazardous Decomposition Products CO and CO_2, flammable gases, or vapors in a fire or at high temperature.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Effects
The most likely route of exposure is skin contact. Eye contact may cause irritation. Short term contact with skin is unlikely to cause problems. Excessive or prolonged and repeated contact and poor hygiene conditions may result in irritation or sensitization. Inhalation may cause respiratory irritation. Swallowing material may cause irritation of gastrointestinal tract, nausea, vomiting, diarrhea, or abdominal pain depending on the individual's sensitivity and the amount ingested.
Chronic Toxicity Effects
Long term or repeated exposure may aggravate any acute symptoms. Repeated ingestion of diethanolamine may cause damage to kidney, lungs or blood through prolonged or repeated exposure. Ingestion of boric acid at high levels has been shown to affect fertility in animals but not in humans
Carcinogenicity
IARC has identified diethanolamine as a 2B carcinogen (possibly carcinogenic to humans).

SECTION 12: ECOLOGICAL INFORMATION

This product has not been tested. It contains materials that are moderately harmful to aquatic organisms, plants and other species.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not dispose to sewer. Avoid release to the environment. Dispose of material and empty containers in accordance with local, state/province, and federal environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Not Regulated
IMDG Not Regulated
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	Chronic
SARA 313 Reportable Ingredients	None
Clean Water Act	Report contamination of surface waters immediately to the National Response Center.
CERCLA (Comprehensive Environment Response, Compensation and Liability Act)	No calculable reportable quantity (RQ) for this product
California Prop 65	Not listed

SECTION 16: OTHER INFORMATION

NFPA Rating	Health=2; Flammability=0; Reactivity=0
Department Issuing SDS	Health and Safety

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