Safety Data Sheet

Ida-Sol D-80

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(s)	Ida-Sol D-80		
Recommended Use	Additive, pH adjuster		
Restrictions on Use	For industrial/commercial use only		
Emergency Contact / Number	(800) 424-9300		

Section 2: Hazard IDENTIFICATION (in accordance with OSHA (29 CFR 1910.1200, 2024)

Classification of the substance or mixture

Flammable liquids	Cat. 4 Combustible liquid
Eye damage/irritation	Cat. 1 Causes serious eye damage
Skin corrosion/irritation	Cat. 1B Causes severe skin burns and eye damage
Acute toxicity, inhalation	Cat. 4 Harmful if inhaled
Acute toxicity, oral	Cat. 4 Harmful if swallowed

Signal Word Danger



Precautionary statements

Prevention	Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Avoid breathing fumes, spray, mist, or vapors. Wash skin and contact areas thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves and clothing, eye and face protection.
Response	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor if you feel unwell. Wash contaminated clothing before reuse. In case of fire: Use items and procedure in Section 5 to extinguish.
Storage	Store in a well-ventilated place. Store locked up.
Disposal	Dispose of contents and container according to local, state/provincial, and federal regulations.

Hazards Not Otherwise Classified None known

Acute Toxicity Estimate This mixture contains no materials of unknown acute toxicity.

Section 3: Composition/Information on Ingredients

Component	CAS#	Concentration
2-Butylaminoethanol	111-75-1	45 - 70
Monoethanolamine	141-43-5	45 - 70

Section 4: First Aid Measures

General Notes (all categories)

Contact medical support immediately. Chemical burns must be treated by a physician. Product may permanently damage eyes, skin, respiratory or digestive tract. Some effects may not immediately appear.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical advice or assistance.

Skin Contact

Immediately take off all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Wash contaminated clothing before reusing. Acute and delayed symptoms and effects: Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction. Seek medical advice or assistance.

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 advice or assistance.
Inhalation
Remove person to fresh air. Seek medical advice or assistance.
Most Important Symptoms / Effects
Burning pain and corrosive skin damage. Can cause permanent eye damage or blindness. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of Immediate Medical Attention and Special Treatment, If Necessary
Persistent eye pain or skin ulcerations.

SECTION 5: FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media
Product will burn. Use water spray, fog, dry chemical, or foam. High pressure water stream may spread fire. No known unsuitable materials.
Specific Hazards Arising from the Chemical
May produce toxic smoke, 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 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
Practice good chemical hygiene. Wear appropriate eye and face protection, protective gloves and 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 TWA	OSHA TWA
Monoethanolamine	3 ppm	3 ppm

Engineering Controls
Use appropriate ventilation to avoid exceeding exposure levels and maintain good air quality; avoid breathing aerosols or mists; use appropriate respirator if necessary.
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 oil and chemically resistant protective clothing and gloves to avoid contact.
Respiratory Protection
Maintain good ventilation or air flow. Wear suitable respiratory protection to avoid inhalation.
General Hygiene
Follow accepted work practices for eye and face protection. 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	Clear amber liquid	**Flash Point (open cup)**	150 – 200 °F
Specific Gravity (Water=1)	<1.0	**Upper Flammability Limits**	Not Determined
Evaporation Rate (ether = 1)	<1	**Lower Flammability Limits**	Not Determined
pH	>12 (50% in water, approx.)	**Auto-ignition Temperature**	Not Determined
Solubility in Water	Soluble	**Decomposition Temperature**	Not Determined
Odor	Ammoniacal	**Vapor Pressure**	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 (cSt @ 40 °C)**	Not Determined
Initial Boiling Point	Not Determined	**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 May react with nitrites or acids. May liberate nitrosamines in contact with nitrites, nitrates or nitrous acid.

Conditions to Avoid Product can decompose at high temperature, react with moisture.

Incompatible Materials Avoid contact with strong acids, strong oxidizers. Product may potentially react with various halogenated organic solvents resulting in temperature and/or pressure increases. Corrosive when wet. Heating above 60°C in the presence of aluminum can result in corrosion and generation of flammable hydrogen gas. Avoid unintended contact with halogenated hydrocarbons.

Hazardous Decomposition Products Flammable gases, toxic or acrid vapors in a fire or at high temperature.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Effects

This product has not been tested as a whole. Its components have moderate toxicity. The most likely route of exposure is skin contact. Eye contact may cause damage or irritation. Skin contact may cause damage or irritation. Inhalation may cause respiratory damage or irritation. Swallowing material may cause damage or irritation of gastrointestinal tract, nausea, vomiting, diarrhea, or abdominal pain depending on the individual's sensitivity and the amount ingested. The rat LD_{50} is 1,089 mg/kg for monoethanolamine and approximately 1,100 mg/kg for butyl aminoethanol.

Chronic Toxicity Effects

Long term or repeated exposure may aggravate any acute symptoms.

Carcinogenicity

NTP, OSHA and IARC have not identified any carcinogenic ingredients above 0.1% in this product.

SECTION 12: ECOLOGICAL INFORMATION

This product has not been tested. Based on its main components it is classified as moderately toxic to the aquatic environment. Components are readily biodegradable. Soil mobility is high.

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 Ethanolamine solution Cl 8, UN 2491, PG III

IMDG Ethanolamine solution Cl 8, UN 2491, PG III, not a marine pollutant

IATA Ethanolamine solution Cl 8, UN 2491, PG III

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	Fire, acute
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=1; Flammability=1; Reactivity=0
Department Issuing SDS	Health and Safety

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