JMN SPECIALTIES, INC.

Safety Data Sheet
ACID NEUTRALIZER LSA 10

SECTION 1: Identification

1.1 GHS Product identifier

Product name	ACID NEUTRALIZER LSA 10
Product number	ACID NEUTRALIZER LSA 10
Brand	JMN

1.3 Recommended use of the chemical and restrictions on use

General cleaning, water treatment, pH adjustment, and neutralization agent. For commerical use only.

1.4 Supplier's details

Name	JMN Specialties, Inc.
Address	1100 Victory Drive Westwego LA 70094 USA
Telephone	504-341-3749
Fax	504-341-5868
email	sales@jmnspecialties.com

1.5 Emergency phone number

CALL CHEMTEL: Toll Free US & Canada: (800) 255-3924, Outside USA +01-813-248-0585.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictograms

Signal word	**Warning**
Hazard statement(s)	
H315	Causes skin irritation
H319	Causes serious eye irritation
Precautionary statement(s)	
P264	Wash hands and clean any skin contact thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see first aid instructions on label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

SVHC Substances:

Component	Identification	Weight %	Classifications
Sodium carbonate	CAS no.: 497-19-8 EC no.: 207-838-8 Index no.: 011-005-00-2	10 - 12 %	CLASSIFICATIONS: Eye damage/irritation, Cat. 2A. HAZARDS: H319 - Causes serious eye irritation.
Deionized water	CAS no.: 7732-18-5	90 - 98 %	CLASSIFICATIONS: No data available. HAZARDS: No data available.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	In case of accident or unwellness, seek medical advice immediately. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop.
In case of eye contact	After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.

If swallowed	Call a poison center or doctor if you feel unwell. 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. Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Personal protective equipment for first-aid responders

Wear suitable protective clothing. Wear gloves and eye/face protection.

4.2 Most important symptoms/effects, acute and delayed

Eye Contact: May cause serious damage leading to irritation, discomfort or pain, excess blinking and tear production with marked excess redness, swelling of the conjunctiva and possible corneal injury.
Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Indication of immediate medical attention and special treatment needed.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Do not inhale explosion and combustion gases. Burning produces heavy smoke.

Sodium carbonate: Carbon oxides, Sodium oxides

5.3 Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

Further information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using suitable absorbent material and place it into containers for later disposal. Dispose in suitable waste container.

Reference to other sections

See protective measures in Sections 7 and 8. Disposal considerations in Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin and clothing. Do not inhale vapors and fumes. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. For industrial use only.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store between the following temperatures: 40 and 120 Fahrenheit and out of direct sunlight and away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

Specific end use(s)

ACID NEUTRALIZER LSA 10 is an aqueous solution of sodium carbonate. ACID NEUTRALIZER LSA 10 will neutralize the metal surface preventing flash rusting and corrosion related problems after the equipment is put into service. ACID NEUTRALIZER LSA 10 is specifically formulated to be used with acid cleaners and does not form any hazardous reactions when mixed with those types of cleaners.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sodium carbonate (CAS: 497-19-8 EC: 207-838-8)

8.2 Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron or chemical suit and chemical resistant boots are recommended.

Body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Thermal hazards
None

Control banding approach
No data available

Environmental exposure controls
Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear liquid
Color	Clear, colorless
Odor	Odorless
Odor threshold	No data available
Melting point/freezing point	~30 °F (–1 °C)
Boiling point or initial boiling point and boiling range	212°F (100°C)
Flammability	Non-Flammable
Lower and upper explosion limit/flammability limit	No data available
Flash point	Non-Flammable
Explosive properties	No data available
Auto-ignition temperature	No data available
Decomposition temperature	>400°C (752°F)
Oxidizing properties	No data available
pH	11.3 - 11.5
Kinematic viscosity	~1.2 cP @ 25 °C
Solubility	Soluble in Water
Partition coefficient n-octanol/water (log value)	Not applicable for mixtures
Vapor pressure	≈18 mmHg @ 20 °C
Evaporation rate	≈1 (water = 1)
Density and/or relative density	~1.10 g/mL (9.16 lb/gal)
Relative vapor density	≈1 (air = 1)
Particle characteristics	Not applicable for this product

Supplemental information regarding physical hazard classes
No data available

Further safety characteristics (supplemental)
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
The product is non-reactive under normal conditions of use, storage and transport. Alkaline solution; reacts with acids to release CO_2.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

10.4 Conditions to avoid
None under normal use conditions.

10.5 Incompatible materials
For Product: Strong acids, Strong oxidizing agents. Aluminum, zinc.

Sodium carbonate: Sodium carbonate reacts with acids with release of large volumes of carbon dioxide gas and heat.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Likely Routes of Exposure: Eyes, skin, inhalation, ingestion
Acute Effects: Severe eye irritation, skin irritation, respiratory irritation
Oral LD_{50} (rat): 4090 mg/kg
Inhalation LC_{50} (rat): >2.3 mg/L (2h)
Dermal LD_{50}: No data (low hazard expected)

Skin corrosion/irritation
May cause skin irritation.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory or skin sensitization
Based on available data, classification data are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity
Based on available data, classification data are not met

Summary of evaluation of the CMR properties
Product does not contain substances meeting the criteria for classification as carcinogenic, mutagenic, or toxic for reproduction category 1A or 1B in accordance with the Classification, Labeling, and Packaging (CLP) Regulation (EC) No. 1272/2008

Specific target organ toxicity (STOT) - single exposure
Not expected to cause target-organ effects.

Specific target organ toxicity (STOT) - repeated exposure
The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposure. Not expected to cause target-organ effects.

Aspiration hazard
May be harmful if swallowed and enters airways

Additional information
The toxicological properties have not been fully investigated.

SECTION 12: Ecological information

Toxicity
FISH: Product: Fish: Expected to have low toxicity: >100 mg/L (based on similar products / components)
AQUATIC INVERTEBRATES: Product: Daphnia magna: Expected to have low toxicity: >100 mg/L (based on similar products / components) (based on similar products / components)
CHRONIC TOXICITY FISH Product: NOEC/NOEL: >100 mg/L (based on similar products / components)
AQUATIC INVERTEBRATES Product: NOEC/NOEL: >100 mg/L (based on similar products / components)
TOXICITY TO AQUATIC PLANTS Product: Algae: Expected to have low toxicity: >100 mg/L (based on similar products / components)

Persistence and degradability
Inorganic; dissociates to sodium and phosphate ions.

Bioaccumulative potential
Accumulation in terrestrial organisms is unlikely. Bioaccumulation is unlikely.

Mobility in soil
Expected to partition to water.

Results of PBT and vPvB assessment
Not fulfilling PBT (persistent/bio accumulative/toxic) criteria. Not fulfilling vPvB (very persistent, very bio accumulative) criteria.

Endocrine disrupting properties
This product does not contain any known or suspected endocrine disruptors.

Other adverse effects
Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Reuse or reprocess, if possible. Keep out of water supplies, sewers and soil. Recovered liquids may be sent to a licensed reclaimer or incineration facility. Dispose in accordance with all applicable regulations.

Packaging disposal
Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

Waste treatment
Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.

Sewage disposal
In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority.

Other disposal recommendations
Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: Transport information

Not Regulated
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

Component	CAS no.	RTK (US) for state:	TSCA (US)[1]	CA Prop. 65[2]	pfas[3]
Deionized Water	7732-18-5	-	P	-	-
Sodium carbonate	497-19-8	-	P	-	-

[1] "P"—Public list, "C"—Confidential list. [2] "c"—cancer, "r"—reproductive harm. [3] "pfas"—Per- and polyfluoroalkyl substances.

Regulation	Applicability
Canadian Domestic Substances List (DSL)	Chemical name: Water CAS number: 7732-18-5
Australian Inventory of Industrial Chemicals	Chemical name: Water CAS number: 7732-18-5, CR number: 11271
SARA 302 Components	No chemicals in this material [Sodium carbonate] are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material [Sodium carbonate] does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	Acute Health Hazard for: Sodium carbonate.
Canadian Domestic Substances List (DSL)	Chemical name: Carbonic acid disodium salt CAS number: 497-19-8
EU Table of Harmonized Entries (Annex VI to CLP)	Chemical name: sodium carbonate CAS number: 497-19-8
Australian Inventory of Industrial Chemicals	Chemical name: Carbonic acid, disodium salt CAS number: 497-19-8, CR number: 4502

15.2 Chemical Safety Assessment

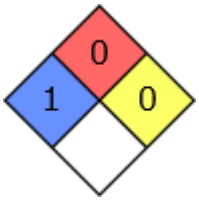
A Chemical Safety Assessment (CSA) has not been carried out for this mixture. (Under EU REACH, CSAs are performed for substances; this product is a mixture formulated from registered substances.)

Annex: Voluntary Chemical Safety Assessment (summary)
Ingestion: Ingestion of Product may cause transient gastrointestinal irritation, potentially leading to nausea, vomiting, and/or diarrhea.
Eye Contact: Product can cause eye irritation, potentially resulting in stinging, tearing, itching, swelling, and/or redness.
Skin Contact: Prolonged contact with concentrated Product may cause transient irritation and drying to the skin.
Respiratory Issues: Fumes from this Product can irritate the lungs and may trigger asthma symptoms in sensitive individuals.

HMIS Rating

ACID NEUTRALIZER LSA 10	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information

Changes have been made throughout this Safety Data Sheet (SDS). Please read the entire document.

16.1 Further information/disclaimer

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the people receiving this Safety Data Sheet (SDS) will make their own determination as to its suitability for their intended purposes prior to use. Since the product is within exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal and State Regulations concerning the Product. It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

16.2 Preparation information

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and The Globally Harmonized System of Classification and Labeling of Chemicals (GHS) by the Company Health and Risk Assessment Unit.