JMN SPECIALTIES, INC.

Safety Data Sheet
A-A-59146A

SECTION 1: Identification

1.1 GHS Product identifier

Product name	A-A-59146A
Product number	A-A-59146A
Brand	JMN

1.2 Other means of identification

No data available.

1.3 Recommended use of the chemical and restrictions on use

CLEANING COMPOUND, ALKALI, BOILING VAT (SOAK) OR HYDROSTEAM

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: (US) OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictograms

Signal word **Danger**

Hazard statement(s)

H315	Causes skin irritation
H318	Causes serious eye damage

Precautionary statement(s)

P264	Wash hands thoroughly after handling.
P280	Wear eye protection/face protection/protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/...
P321	Specific treatment (see … on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Component	Identification	Weight %	Classifications
Sodium metasilicate anhydrous	CAS no.: 6834-92-0 EC no.: 229-912-9 Index no.: 014-010-00-8	25 - 50 %	CLASSIFICATIONS: Corrosive to metals, Cat. 1; Eye damage/irritation, Cat. 1; Skin corrosion/irritation, Cat. 1B; Specific target organ toxicity (single exposure), Cat. 3; Acute toxicity, oral, Cat. 4. HAZARDS: H290 - May be corrosive to metals; H314 - Causes severe skin burns and eye damage; H318 - Causes serious eye damage; H335 - May cause respiratory irritation; H336 - May cause drowsiness or dizziness.
Sodium phosphate dodecahydrate	CAS no.: 10101-89-0 EC no.: 231-509-8	25 - 50 %	CLASSIFICATIONS: Skin corrosion/irritation, Cat. 2; Eye damage/irritation, Cat. 2A; Specific target organ toxicity (single exposure), Cat. 3. HAZARDS: No data available.
Sodium phosphate dibasic	CAS no.: 7558-79-4 EC no.: 231-448-7	10 - 30 %	CLASSIFICATIONS: No data available. HAZARDS: No data available.
Naphthalenesulfonic acid, methyl-, sodium salt (1:1)	CAS no.: 26264-58-4	5 - 15 %	CLASSIFICATIONS: No data available. HAZARDS: No data available.

Trade secret statement (OSHA 1910.1200(i))
Exact concentration are withheld as trade secret

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse. Acute and delayed symptoms and effects: Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
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. Immediately call a poison center or doctor. Acute and delayed symptoms and effects: Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.
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
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Notes to physician: If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. The decision of whether to induce vomiting or not should be made by a physician. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Skin contact may aggravate preexisting dermatitis.

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
Carbon oxides, Sodium oxides, Sodium metasilicate anhydrous: Sodium oxides, silicon oxides, Sodium phosphate dibasic: Oxides of phosphorus, Sodium oxides

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Do not breathe dust or mist. Ensure adequate ventilation.
For personal protection see section 8.

6.2 Environmental precautions
Do not let pure product enter drains. Use only as directed.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Do not breathe dust or mist. Eating, drinking and smoking is prohibited. Wash hands with soap and water after handling. Wear protective gloves/protective clothing/eye protection/face protection as required. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)
Apart from the uses mentioned in section 1, no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sodium metasilicate anhydrous (CAS: 6834-92-0 EC: 229-912-9)

2. Sodium phosphate dodecahydrate (CAS: 10101-89-0)
STEL (Inhalation): 5 mg/m3 (WEEL)

TLV® (Inhalation): 10 mg/m3 (ACGIH)

PEL-TWA (Inhalation): 15 mg/m3 (OSHA)

8.2 Appropriate engineering controls
Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

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

Pictograms

Eye/face protection
Not normally required for consumer use when used as directed.

When handling in bulk quantities: Tightly fitting safety goggles. If splash hazard, wear 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
Not normally required for consumer use when used as directed.

When handling in bulk quantities: Wear protective gloves. Consult manufacturer specifications for further information.

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

Respiratory protection
Not normally required for consumer use when used as directed. When handling in bulk quantities: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards
No data available.

Control banding approach
No data available

Environmental exposure controls
Do not let product enter drains.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	White solid powder
Color	White
Odor	No odor
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Explosive properties	No data available.

Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	Not Applicable
Kinematic viscosity	No data available.
Solubility	Complete
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	1.45 - 1.55
Relative vapor density	No data available.

Further safety characteristics (supplemental)
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Contact with incompatible materials. Sources of ignition. Exposure to heat.

10.2 Chemical stability
Stable under normal storage conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials
Sodium metasilicate pentahydrate. Strong oxidizing agents. Sodium metasilicate anhydrous: Oxidizing agents. Sodium metasilicate can release hydrogen gas in contact with the incompatibles, causing a risk for explosion. Sodium phosphate dibasic: Strong oxidizing agents, Strong acids

10.6 Hazardous decomposition products
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects
Acute toxicity
Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.
For Product:
ATE (oral): 1,392 mg/kg (rat)
ATE (dermal): 4,161 mg/kg (rabbit)
ATE (inhalation, dust/mist, 4 h): 1.71 mg/L (rat)

Skin corrosion/irritation
Repeated and prolonged exposure to concentrated material may cause dermatitis or chemical burns.

Serious eye damage/irritation
Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Respiratory or skin sensitization
Not expected to be sensitizing based on tests of components or similar products. Product does not have significant respiratory or skin sensitization potential based on general hazard information

Germ cell mutagenicity
Based on available data from raw materials and similar mixtures, none of the components have demonstrated mutagenic potential in standard invitro or invivo assays.

Carcinogenicity
Not classified. None of the components are listed as carcinogens by IARC, NTP, or OSHA.

Reproductive toxicity
Data has shown negative results for mutagenicity both in vitro and in vivo. It is concluded that the available data are sufficient and indicate that this material has no significant genotoxicity.

Summary of evaluation of the CMR properties
None of the constituent substances are classified as carcinogenic, germ-cell mutagenic, or reproductive toxicants at the levels present.

Specific target organ toxicity (STOT) - single exposure
Category 3: Respiratory tract irritation (sore throat, cough).

Specific target organ toxicity (STOT) - repeated exposure
Not classified as causing specific target organ toxicity from repeated exposure under GHS or OSHA criteria. No components are present at levels expected to cause organ damage from prolonged or repeated inhalation, ingestion, or skin contact.

Aspiration hazard
Product is a dry, granular/solid powder, not a liquid; it does not meet the criteria for aspiration classification.

Additional information
No data available.

SECTION 12: Ecological information

Toxicity
Fish: Expected LC_{50} (96 h) for mixture ≈ 0.08–0.12 mg/L (driven by Surfactant in Mixture)
Aquatic invertebrates: Expected EC_{50} (48 h) for mixture ≈ 0.01–0.015 mg/L
Algae: Expected ErC_{50} (72 h) for mixture ≈ 0.03–0.05 mg/L

Persistence and degradability
The methods for determining biological degradability are not applicable to predominately inorganic substances.

Bioaccumulative potential
Surfactant: low–moderate bioaccumulation potential (log Kow ≈ 2.75) but binds to surfaces and sediments.
Inorganic salts: do not bioaccumulate.

Mobility in soil
Sodium metasilicate & phosphates: high water solubility; high mobility; may contribute to eutrophication (phosphates).

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
No known endocrine-disrupting properties for listed components at environmental concentrations.

Other adverse effects
No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal
Dispose of as unused product.

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
If discarded in its purchased form, it is not a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24).

SECTION 14: Transport information

DOT (US)
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]
Sodium metasilicate anhydrous	6834-92-0	PA	-	-	-
Sodium phosphate dibasic	7558-79-4	MA, NJ, PA	-	-	-
SODIUM PHOSPHATE DODECAHYDRATE	10101-89-0	MA, PA	-	c, r	-
Naphthalenesulfonic acid, methyl-, sodium salt (1:1)	26264-58-4	-	-	-	-

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

Regulation	Applicability
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material 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
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components	Sodium carbonate CAS-No.: 497-19-8 Disodium metasilicate pentahydrate CAS-No. 10213-79-3
New Jersey Right To Know Components	Sodium carbonate CAS-No.: 497-19-8 Disodium metasilicate pentahydrate CAS-No. 10213-79-3
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
SARA 313 Components	This material 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 313 Components	This material 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.
Canadian Domestic Substances List (DSL)	Chemical name: Phosphoric acid, disodium salt CAS: 7558-79-4
Canadian Domestic Substances List (DSL)	Chemical name: Naphthalenesulfonic acid, methyl-, sodium salt CAS: 26264-58-4

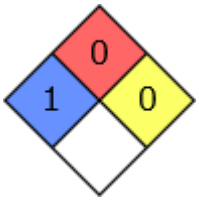
15.2 Chemical Safety Assessment

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 some cleaning products can irritate the lungs and may trigger asthma symptoms in sensitive individuals.

HMIS Rating

A-A-59146	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

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 persons 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 the 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.