# SAFETY DATA SHEET

**SDS REVISION DATE: April 15, 2020**

**Product ID: GMS1118A**

**0022**

**GMS Industrial Supply, Inc.**
**212 Denn Lane, Virginia Beach, VA. 23462**
**(855) GRN-OGER**

**24-Hour Emergency Telephone: 1-800-424-9300 CHEMTREC**

## 1. Identification

**Product identifier:** CLEAN JOHN - GMS1118A

**Other means of identification**
**SDS number:** RE1000007720

**Recommended restrictions**
**Product use:** Cleaner
**Restrictions on use:** Not known.

**Manufacturer/Importer/Distributor Information**

**Manufacturer**

| | |
|---|---|
| Company Name: | GMS INDUSTRIAL SUPPLY INC. |
| Address: | 212 DENN LANE<br>VIRGINIA BEACH, VA 23462 |
| Telephone: | 1-757-473-1467 |
| Fax: | |

**Emergency telephone number:** 1-800-424-9300 CHEMTREC

## 2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

| | |
|---|---|
| Flammable aerosol | Category 1 |

**Health Hazards**

| | |
|---|---|
| Serious Eye Damage/Eye Irritation | Category 2A |
| Skin sensitizer | Category 1 |
| Toxic to reproduction | Category 1B |

**Environmental Hazards**

| | |
|---|---|
| Acute hazards to the aquatic environment | Category 3 |

**Label Elements**

**Hazard Symbol:**

**Signal Word:** Danger

**Hazard Statement:** Extremely flammable aerosol.
Causes serious eye irritation.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
Harmful to aquatic life.

**Precautionary Statements**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse.

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):** None.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical Identity | CAS number | Content in percent (%)* |
|---|---|---|
| Butane | 106-97-8 | 1 - <5% |
| Propane | 74-98-6 | 1 - <5% |
| Nitrous acid, sodium salt (1:1) | 7632-00-0 | 0.1 - <1% |
| Proprietary | | 0.1 - <1% |
| Borax (B4Na2O7.10H2O) | 1303-96-4 | 0.1 - <0.3% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

**Ingestion:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**Inhalation:** Move to fresh air.

**Skin Contact:** If skin irritation occurs: Get medical advice/attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

## 5. Fire-fighting measures

**Most important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** No data available.

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Vapors may travel considerable distance to a source of ignition and flash back.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

**Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

**Notification Procedures:** Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

**Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

## 7. Handling and storage

**Precautions for safe handling:** Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing.

**Conditions for safe storage, including any incompatibilities:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Store locked up. Aerosol Level 1

## 8. Exposure controls/personal protection

**Control Parameters**

**Occupational Exposure Limits**

| Chemical Identity | Type | Exposure Limit Values | Source |
|---|---|---|---|
| Butane | REL | 800 ppm 1,900 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | STEL | 1,000 ppm | US. ACGIH Threshold Limit Values (03 2018) |
| | TWA | 800 ppm 1,900 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| Propane | REL | 1,000 ppm 1,800 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | PEL | 1,000 ppm 1,800 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 1,000 ppm 1,800 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| Borax (B4Na2O7.10H2O) | REL | 5 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | TWA | 10 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| Borax (B4Na2O7.10H2O) - Inhalable fraction. | STEL | 6 mg/m3 | US. ACGIH Threshold Limit Values (03 2017) |
| | TWA | 2 mg/m3 | US. ACGIH Threshold Limit Values (03 2017) |
| 1,2-Ethanediol | Ceiling | 50 ppm 125 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| 1,2-Ethanediol - Vapor fraction | TWA | 25 ppm | US. ACGIH Threshold Limit Values (03 2017) |
| | STEL | 50 ppm | US. ACGIH Threshold Limit Values (03 2017) |
| 1,2-Ethanediol - Aerosol, inhalable. | STEL | 10 mg/m3 | US. ACGIH Threshold Limit Values (03 2017) |
| Ethanol, 2-ethoxy- | TWA | 5 ppm | US. ACGIH Threshold Limit Values (2008) |
| | REL | 0.5 ppm 1.8 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | PEL | 200 ppm 740 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 200 ppm 740 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |

**Biological Limit Values**

| Chemical Identity | Exposure Limit Values | Source |
|---|---|---|
| Ethanol, 2-ethoxy- (2-Ethoxyacetic acid: Sampling time: End of shift at end of work week.) | 100 mg/g (Creatinine in urine) | ACGIH BEL (03 2013) |

**Appropriate Engineering Controls** No data available.

**Individual protection measures, such as personal protective equipment**

**General information:** Provide easy access to water supply and eye wash facilities. 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.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:** No data available.

**Other:** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

| | |
|---|---|
| **Hygiene measures:** | Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | |
| **Physical state:** | liquid |
| **Form:** | Spray Aerosol |
| **Color:** | No data available. |
| **Odor:** | No data available. |
| **Odor threshold:** | No data available. |
| **pH:** | 8.5 - 9.5 |
| **Melting point/freezing point:** | No data available. |
| **Initial boiling point and boiling range:** | 100 °C |
| **Flash Point:** | -104.4 °C |
| **Evaporation rate:** | No data available. |
| **Flammability (solid, gas):** | No data available. |
| **Upper/lower limit on flammability or explosive limits** | |
| **Flammability limit - upper (%):** | No data available. |
| **Flammability limit - lower (%):** | No data available. |
| **Explosive limit - upper (%):** | No data available. |
| **Explosive limit - lower (%):** | No data available. |
| **Vapor pressure:** | 3,102 - 4,481 hPa (20 °C) |
| **Vapor density:** | No data available. |
| **Density:** | Estimated 0.927 g/cm3 |
| **Relative density:** | No data available. |
| **Solubility(ies)** | |
| **Solubility in water:** | No data available. |
| **Solubility (other):** | No data available. |
| **Partition coefficient (n-octanol/water):** | No data available. |
| **Auto-ignition temperature:** | No data available. |
| **Decomposition temperature:** | No data available. |
| **Viscosity:** | No data available. |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity:** | No data available. |
| **Chemical Stability:** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions:** | No data available. |
| **Conditions to avoid:** | Avoid heat or contamination. |
| **Incompatible Materials:** | No data available. |
| **Hazardous Decomposition Products:** | No data available. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation:** | No data available. |

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** ATEmix: 63,671.74 mg/kg

**Dermal**

**Product:** Not classified for acute toxicity based on available data.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**
**Product:** No data available.

**Aspiration Hazard**
**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**
**Fish**
**Product:** No data available.

**Aquatic Invertebrates**
**Product:** No data available.

**Chronic hazards to the aquatic environment:**
**Fish**
**Product:** No data available.

**Aquatic Invertebrates**
**Product:** No data available.

**Toxicity to Aquatic Plants**
**Product:** No data available.

**Persistence and Degradability**
**Biodegradation**
**Product:** No data available.

**BOD/COD Ratio**
**Product:** No data available.

**Bioaccumulative potential**
**Bioconcentration Factor (BCF)**
**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**
**Product:** No data available.

**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

| | |
|---|---|
| Butane | No data available. |
| Propane | No data available. |
| Nitrous acid, sodium salt (1:1) | No data available. |
| Proprietary | No data available. |
| Borax (B4Na2O7.10H2O) | No data available. |

**Other adverse effects:** Harmful to aquatic organisms.

## 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

**Contaminated Packaging:** No data available.

## 14. Transport information

**DOT**

| | |
|---|---|
| UN Number: | UN 1950 |
| UN Proper Shipping Name: | Aerosols, flammable |
| Transport Hazard Class(es) | |
| Class: | 2.1 |
| Label(s): | – |
| Packing Group: | II |
| Marine Pollutant: | No |
| Environmental Hazards: | No |
| Marine Pollutant | No |
| Special precautions for user: | Not regulated. |

**IMDG**

| | |
|---|---|
| UN Number: | UN 1950 |
| UN Proper Shipping Name: | Aerosols, flammable |
| Transport Hazard Class(es) | |
| Class: | 2 |
| Label(s): | – |
| EmS No.: | |
| Packing Group: | – |
| Environmental Hazards: | No |
| Marine Pollutant | No |
| Special precautions for user: | Not regulated. |

**IATA**

| | |
|---|---|
| UN Number: | UN 1950 |
| Proper Shipping Name: | Aerosols, flammable |
| Transport Hazard Class(es): | |
| Class: | 2.1 |
| Label(s): | – |
| Packing Group: | – |
| Environmental Hazards: | No |
| Marine Pollutant | No |
| Special precautions for user: | Not regulated. |

## 15. Regulatory information

**US Federal Regulations**

**Restrictions on use:** Not known.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

| Chemical Identity | Reportable quantity |
|---|---|
| Butane | lbs. 100 |
| Propane | lbs. 100 |
| Nitrous acid, sodium salt (1:1) | lbs. 100 |
| 1,2-Ethanediol | lbs. 5000 |
| Ethanol, 2-ethoxy- | lbs. 1000 |

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Fire Hazard
Immediate (Acute) Health Hazards
Delayed (Chronic) Health Hazard
Flammable aerosol
Serious Eye Damage/Eye Irritation
Skin sensitizer
Toxic to reproduction

**SARA 302 Extremely Hazardous Substance**

| Chemical Identity | Reportable quantity | Threshold Planning Quantity |
|---|---|---|
| Water | | |

**SARA 304 Emergency Release Notification**

| Chemical Identity | Reportable quantity |
|---|---|
| Water | |
| Butane | lbs. 100 |
| Propane | lbs. 100 |
| Ethanol, 2-(2-ethoxyethoxy)- | |
| Nitrous acid, sodium salt (1:1) | lbs. 100 |
| 1,2-Ethanediol | lbs. 5000 |
| Ethanol, 2-ethoxy- | lbs. 1000 |

**SARA 311/312 Hazardous Chemical**

| Chemical Identity | Threshold Planning Quantity |
|---|---|
| Butane | 10000 lbs |
| Propane | 10000 lbs |
| Nitrous acid, sodium salt (1:1) | 10000 lbs |
| Proprietary | 10000 lbs |
| Borax (B4Na2O7.10H2O) | 10000 lbs |
| 1,2-Ethanediol | 10000 lbs |
| Ethanol, 2-ethoxy- | 10000 lbs |

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**
**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

**US State Regulations**

**US. California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

| | |
|---|---|
| 1,2-Ethanediol | Developmental toxin. 06 2015 |
| Ethanol, 2-ethoxy- | Developmental toxin. 03 2008 |
| Ethanol, 2-ethoxy- | Male reproductive toxin. 03 2008 |

**US. New Jersey Worker and Community Right-to-Know Act**

| Chemical Identity |
|---|
| Water |
| Butane |
| Propane |

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

| Chemical Identity |
|---|
| Butane |
| Propane |

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**International regulations**

**Montreal protocol**

Viable Bacterial Cultures

**Stockholm convention**

Viable Bacterial Cultures

**Rotterdam convention**

Viable Bacterial Cultures

**Kyoto protocol**

**Inventory Status:**

| | |
|---|---|
| Australia AICS: | Not in compliance with the inventory. |
| Canada DSL Inventory List: | Not in compliance with the inventory. |
| EINECS, ELINCS or NLP: | Not in compliance with the inventory. |
| Japan (ENCS) List: | Not in compliance with the inventory. |
| China Inv. Existing Chemical Substances: | Not in compliance with the inventory. |
| Korea Existing Chemicals Inv. (KECI): | Not in compliance with the inventory. |
| Canada NDSL Inventory: | Not in compliance with the inventory. |
| Philippines PICCS: | Not in compliance with the inventory. |
| US TSCA Inventory: | On or in compliance with the inventory |
| New Zealand Inventory of Chemicals: | Not in compliance with the inventory. |
| Japan ISHL Listing: | Not in compliance with the inventory. |
| Japan Pharmacopoeia Listing: | Not in compliance with the inventory. |
| Mexico INSQ: | Not in compliance with the inventory. |
| Ontario Inventory: | Not in compliance with the inventory. |
| Taiwan Chemical Substance Inventory: | Not in compliance with the inventory. |

## 16.Other information, including date of preparation or last revision

**Issue Date:** 04/15/2020

**Version #:** 1.0

**Prepared by: Technical Department**

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.

**Revision Date: April 15, 2020**