

# SAFETY DATA SHEET

## MA-102 PRF



### 1 – IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME: **JAD MA-102 PRF**  
 PRODUCT NUMBER: **GMMA102PRF275TT, GMMA102PRFCN, GMMA102PRFDR, GMMA102PRFRTUQ, GMMA102PRFRTU275TT, GMMA102PRFRTU4000T, GMMA102PRFRTUCN, GMMA102PRFRTUDR**

SUPPLIER: **GMS Industrial Supply, Inc.**  
 212 Denn Lane  
 Virginia Beach, VA 23462 United States  
 (757) 473-1467

EMERGENCY TELEPHONE: **(800) 424-9300 (Chemtrec- US)**  
**(703) 527-3887 (International – Call Collect)**

### 2 - HAZARDS IDENTIFICATION

This product complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**CLASSIFICATION** according to Regulation (EU) 1272/2008.:

Serious eye damage, Category 1  
 Acute toxicity (Oral), Category 4  
 Chronic aquatic toxicity, Category 3

### 3 – COMPOSITION /INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content %	Classification
Alcohols, C10-16, ethoxylated	Not known	68002-97-1	10-40%	H318, H302, H412, P280, P264, P270, P273, P305+P351+P338, P310, P301+P312, P330, P501
Alcohols, C9-11, ethoxylated	Not known	68439-46-3	10-40%	H318, H315, H412, P280, P264, P270, P273, P305+P351+P338, P310, P301+P312, P330, P501
Amine neutralized Fatty Acids	Not known	68855-69-6	5-25%	H315, H320, P280, P302+P352, P305+P351+P338, P308, P501

The Full Text for all H-Statements and P-Statements is displayed in Section 15

#### COMPOSITION COMMENTS

The data shown are in accordance with the latest EC Directives.

---

**4- FIRST AID MEASURES**

---

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Low hazard for usual industrial handling by trained personnel.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Although this is a water-based system, some people may be sensitive to some ingredients. These people may experience skin irritation, defatting and/or dermatitis. Eye contact with this product should be avoided. This may cause irritation and the eyes should be flushed with water for at least 15 minutes.

**INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE:**

Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

Being a water-reducible system, health hazards are minimized. However, care must be exercised in its use. Breathing the vapors may irritate the nose and throat. Detectable amounts of chemicals or substances known to the state of California to cause cancer, birth defects, or other reproductive harm may be found in this product. Use care when handling chemical and petroleum products even though they are water reducible.

CARCINOGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT:**

Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

**EMERGENCY AND FIRST AID PROCEDURES:**

Remove victim to fresh air and restore breathing if required. Call a physician if required. If breathing stops give artificial respiration. Keep person warm. Never give anything by mouth to an unconscious person. Do not induce vomiting. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs.

---

**5- FIRE FIGHTING PROCEDURES**

---

**EXTINGUISHING MEDIA:**

CO<sub>2</sub>, Dry Chemical, Water Fog

**SPECIAL FIREFIGHTING PROCEDURES:**

Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials. Non-flammable

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Not known

---

**6-ACCIDENTAL RELEASE MEASURES**

---

**PERSONAL PRECAUTIONS:**

Wear protective clothing as described in Section 8.

**ENVIRONMENTAL PRECAUTIONS:**

Spillages or uncontrolled discharges into watercourses must immediately be alerted to Environmental Agency or other appropriate regulatory authority.

**SPILL CLEANUP METHODS:**

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, open flames, and smoking. Ventilate. Absorb in vermiculite, dry sand, or earth and place into containers for disposal.

---

**7-HANDLING AND STORAGE**

---

**USAGE PRECAUTIONS:**

Avoid spilling, skin and eyes contact. Use with adequate ventilation and avoid excessive exposure to chemical vapors. Use approved respirator if air contamination exceeds the accepted level.

**STORAGE PRECAUTIONS:**

Keep unused contents in original container and tightly closed lids. Store in a cool, dry and well-ventilated place and at an ambient Temperature not to exceeding above 120° F.

**STORAGE CLASS:**

Non - Flammable liquid storage.

---

**8-EXPOSURE CONTROL/PERSONAL PROTECTION**

---

Name	Workplace Exposure Limits	Remarks
Alcohols, C10-16, ethoxylated	ACGIH: Not Listed NIOSH: Not Listed OSHA-Final PELs: Not Listed	Consult local authorities for acceptable exposure limits
Alcohols, C9-11, ethoxylated	ACGIH: Not Listed NIOSH: Not Listed OSHA-Final PELs: Not Listed	Same As Above
Amine neutralized Fatty Acids	ACGIH: Not Listed NIOSH: Not Listed OSHA-Final PELs: Not Listed	Same As Above

**PROTECTIVE EQUIPMENTS:**

PROCESS CONDITIONS:

ENGINEERING MEASURES:

**RESPIRATORY EQUIPMENT:**

HANDPROTECTION:

EYE PROTECTION:

OTHER PROTECTION:

HYGIENE MEASURES:

Provide eyewash station.

Provide adequate ventilation. Fully equipped spray booth is recommended to ensure the workers legal exposure limits are not exceeded.

Wear respirator with appropriate cartridge for organic solvents and chemicals.

Wear approved gloves such as Neoprene, Nitrile or Rubber types.

Wear splash-proof goggles.

Wear appropriate clothing to prevent any possible skin contact.

DO NOT SMOKE IN THE WORK AREA. Wash at the end of each work shift and before eating, drinking or smoking. Promptly remove contaminated clothing.

**9- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Liquid
COLOR:	Light Yellow
ODOR:	Lemon
BOILING POINT:	> 212 °F
RELATIVE DENSITY:	1.014 g/mL
VAPOR PRESSURE:	< 1 (mm Hg)
VAPOR DENSITY:	> 1 (Air = 1)
EVAPORATION RATE:	As Water (BuAc = 1)
FLASH POINT:	> 200 ° F (Tag Closed Cup)
FLAMMABILITY LIMITS:	LOWER: NA UPPER: NA
SOLUBILITY VALUE (g/100g H <sub>2</sub> O @ 20°C):	Complete
VOLATILE ORGANIC COMPOUND (VOC):	0.0001 g/L
pH:	9.2 – 9.5

**10- STABILITY AND REACTIVITY**

STABILITY:

Stable

CONDITIONS TO AVOID:

Heat will coagulate product

INCOMPATIBILITY (MATERIALS TO AVOID):

Material very stable but may react with strong acids while in liquid form.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

N/A

HAZARDOUS POLYMERIZATION:

N/A

**11-TOXICOLOGICAL INFORMATION**

**Alcohols, C10-16, ethoxylated (CAS#68002-97-1):** Acute Dermal Toxicity: LD50 rabbit: > 2,000 mg/kg. Acute Inhalation Toxicity: LC50 valua expected to exceed the saturated vapor concentration in air. Acute Oral Toxicity: LD50 rat: > 1,000 mg/kg. Skin Corrosion/Irritation: Primary irritation (rabbit): 24 hours; 4.4 (Max. score is 8.0). Eye Damage/Irritation: Primary Irritation (rabbit): 50.8 (Max. score is 110.0). Respiratory or skin sensitization: No data available. Germ cell mutagenicity: Genotoxicity in vitro: No data available. Genotoxicity in vivo: No data available.

Assessment Mutagenicity: No data available. Reproductive toxicity: No data available. Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Alcohols, C9-11, ethoxylated (CAS#68439-46-3):** Acute Health Hazard: Ingestion: LD50, rat: 1,400 mg/kg. Inhalation: No data available. Dermal: LD50, rat:>5,000 mg/kg. Eye irritation/corrosion: Severe eye irritation. Skin irritation/corrosion: Moderate skin irritation.

**Amine neutralized Fatty Acids (CAS#68855-69-6):** LD50, rat, oral: >5,000 mg/kg. Dermal: No data available. Inhalation: No data available.

---

## 12- ECOLOGICAL INFORMATION

---

**Alcohols, C10-16, ethoxylated (CAS#68002-97-1):** Aquatic toxicity: Harmful to aquatic life with long lasting effects. Toxicity to fish: LC50 (Poecilia reticulata (guppy)) 96 hours: 6.5 mg/l. Toxicity to aquatic invertebrates: EC50 (Daphnia) 48 hours: 2.3 mg/l. Toxicity to algae: EbC50 (Desmodesmus subspicatus (green algae)) 72 hours: 6.1 mg/l. Chronic toxicity to fish: EC10 (Pimephales promelas (fathead minnow)): 0.21 mg/l. Chronic toxicity to aquatic invertebrates: EC10 (Daphnia magna (Water flea)): 0.36 mg/l. Biodegradation: Readily biodegradable – OECD Test Guideline 301B (28 d): 74%. Bioaccumulation: Unlikely. Mobility in soil: immobile.

**Alcohols, C9-11, ethoxylated (CAS#68439-46-3):** Aquatic toxicity: EC50, Daphnia, 48 hrs: 2.5 mg/l. EC50, Algae: 0.95 mg/l. Toxicity to fish: LC50, 96 hrs, fathead minnow (Pimephales promelas): 8.5 mg/l. Toxicity to other organisms: No data available. Biodegradability: Readily biodegradable, as defined by OECD, substance that degrades > 60-70% within a 10 day window over 28 days. Mobility: No data available. Bioaccumulation: No data available.

**Amine neutralized Fatty Acids (CAS#68855-69-6):** LC50, goldfish, 24 hrs: 1,100 mg/l. LC50, rainbow trout, 96 hrs:>50,000 mg/l. Toxicity to other organisms: No data available.

---

## 13 – DISPOSAL CONSIDERATIONS

---

Any unused product or empty containers may be disposed of as non-hazardous in accordance with federal, state and local requirements. Re-evaluation of the product or wastes may be required at the time of disposal since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with State and Federal (40 CFR 262) hazardous waste regulations.

---

## 14 – TRANSPORT INFORMATION

---

<b>DOT PROPER SHIPPING NAME:</b>	<b>NOT REGULATED</b>
<b>PRIMARY HAZARD CLASS/DIVISION:</b>	<b>Non-Hazardous By CFR 491712.101</b>
<b>UN/UA NUMBER:</b>	<b>N/A</b>
<b>PACKING GROUP:</b>	<b>N/A</b>

<b>IMO PROPER SHIPPING NAME:</b>	<b>NOT REGULATED</b>
<b>IMO UN CLASS:</b>	<b>N/A</b>
<b>IMO UN NUMBER:</b>	<b>N/A</b>
<b>IMO PACKING GROUP:</b>	<b>N/A</b>
<b>IMO LABEL:</b>	<b>N/A</b>
<b>IMO VESSEL STOWAGE:</b>	<b>N/A</b>



GHS LABEL:

**DANGER**

**CAUSES SERIOUS EYE DAMAGE. CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL OR FATAL IF SWALLOWED AND ENTERS AIRWAYS. HARMFUL TO AQUATIC LIFE.**

Refer to SDS for additional information on safe handling / use. - Keep out of reach of children. For Industrial Use Only.

**Contains:** Alcohols, C10-16, ethoxylated, Alcohols, C9-11, ethoxylated, and Amine neutralized Fatty Acids. This product contains one or more chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

**Hazards:** H302: Harmful if swallowed. H318: Causes serious eye damage. H412: Harmful to aquatic life with long lasting effects. H315: Causes skin irritation.

**Precautionary Statement(s):** P280: Wear protective gloves/protective clothing/eye protection/face protection. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P305+351+338: 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 or doctor/physician. P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330: Rinse mouth.

**First Aid:** **Inhalation** - Move person to fresh air. If symptoms occur obtain medical attention. **Skin Contact** - Wash affected skin with soap and water. If symptoms occur obtain medical attention. **Eye Contact** - If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms occur obtain medical attention. **Ingestion** - Do not induce vomiting. Drink one glass of water. If symptoms occur obtain medical attention

---

#### 15 – REGULATORY INFORMATION

---

##### **Hazards (H-Statements):**

H302: Harmful if swallowed.  
H315: Causes skin irritation  
H318: Causes serious eye damage.  
H320: Causes eye irritation  
H412: Harmful to aquatic life with long lasting effects.

##### **Precautionary Statements (P-Statements):**

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P273: Avoid release to the environment.  
P302+P352: IF ON SKIN: Wash with soap and water  
P305+351+338: 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 or doctor/physician. P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P310: Immediately call a POISON CENTER or doctor/physician  
P330: Rinse mouth.

---

#### 16- DISCLAIMER

---

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.