Canada Colors and Chemicals Limited

152 Kennedy Road South
Brampton, Ontario
Canada
L6W 3G4

General Inquiry Number: (905) 459-1232

Material Safety Data Sheet Attached
Material Safety Data Sheet
JemPak GK Inc.

JemPak 1298 Sulphonic Acid

Product Code: 507 8005

CAS # 27176-87-0 / 68584-22-5

NFPA HAZARD RATING
- Fire: 4 – Extreme
- Health: 3 – High
- Reactivity: 2 – Moderate
- Special: 1 – Slight
- 0 – Insignificant

HMIS HAZARD INDEX
- 4 – Severe
- 3 – Serious
- 2 – Moderate
- 1 – Slight
- 0 – Minimal

HMIS RATINGS
- Health: 3
- Flammability: 1
- Reactivity: 2
- Personal protection: H

PRODUCT INFORMATION / DIVISION AND LOCATION - SECTION I

Product Name: JemPak 1298 Sulphonic Acid
Division: JEMPAK GK INC.
Location: 1485 SPEERS ROAD, OAKVILLE, ONT., CANADA, L6L 2X5
Emergency Telephone Number: 24 hour (613) 996-6666
Transportation Emergency: CANUTEC 1-(613) 996-6666
CHEMTREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES - SECTION II

Chemical Name: Linear Alkyl, Aryl Sulphonic Acid
Use: Detergents
Formula: C_{12}H_{25}-(C_{6}H_{4})-SO_{3}H
Toxic and Hazardous Ingredients:
- Benzenesulphonic Acid, Dodecyl: 60 - 100
- Sulphuric Acid: 1 - 5

CAS # 27176-87-0 / 68584-22-5

7664-93-9

Continued …
JemPak 1298 Sulphonic Acid

Product Code: 507 8005

Form: Liquid
Odour: Pungent (Sulphur Dioxide)
Appearance: Clear to hazy
Colour: Dark brown
Specific Gravity (water = 1): up to 1.06
Boiling Point: n.d.
Melting Point: 0°C
Solubility in Water (by weight %): 35% at 25°C
Vapour Pressure (mm Hg at 20°C): less than 0.5
Vapour Density (air = 1): >1
pH (as is): less than 1
Viscosity SUS at 100°F: 5100

REACTIVITY DATA --- SECTION II-A

Hazardous Decomposition Products: as with any organic material, combustion will produce Carbon Dioxide (CO₂), Carbon Monoxide (CO). Also Sulphur Dioxide (SO₂)
Incompatibility (keep away from): Strong oxidizers (such as hydrogen peroxide, bromine, and chromic acid). Keep away from alkalies.
Stability: Product is stable under normal conditions.

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures: Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear approved self-contained breathing apparatus and protective clothing
Unusual Fire and Explosion Hazards: none
Flashpoint: (Method Used: Pensky-Martens closed-cup) >93°C
Flammable limits %: not applicable
Extinguishing agents: Dry chemical or water spray or C0₂ or Foam or Sand/Earth

Continued …
**HEALTH HAZARD DATA --- SECTION IV**

<table>
<thead>
<tr>
<th>Permissible concentrations (air):</th>
<th>Sulphuric Acid: 1 mg/m³ (NIOSH)</th>
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<tbody>
<tr>
<td>Chronic effects of overexposure:</td>
<td>Eyes: Corrosive resulting in irritation, burns, and permanent damage. Immediate first aid measures are required</td>
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<tr>
<td></td>
<td>Skin: damage on exposure.</td>
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<tr>
<td>Acute toxicological properties:</td>
<td>Damage to eyes if not washed out immediately.</td>
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<tr>
<td></td>
<td>Damage to skin if not washed off when irritation is noted.</td>
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<td>Acute oral LD₅₀ = 1000 mg/kg (mouse).</td>
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</tbody>
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**Emergency First Aid Procedures:**

- **Eyes:** Immediately flush with large quantities of water for at least 15 minutes and call a physician.
- **Skin Contact:** Flush with large amounts of water for 15 minutes.
- **Inhalation:** Remove victim to fresh air and call a physician. If breathing is difficult, give oxygen.
- **If Swallowed:** Contact a physician immediately. Rinse mouth with water. Drink a large quantity of water. Do not induce vomiting.

**PREVENTIVE MEASURES --- SECTION V**

- **Ventilation Type Required (Local, mechanical, special):** Mechanical
- **Respiratory Protection (Specify type):** Use NIOSH/OSHA approved vapour respirator if adequate ventilation is not available
- **Protective Gloves:** Impermeable rubber or plastic
- **Eye Protection:** Chemical splash goggles/face shield
- **Other Protective Equipment:** Neoprene protective type apron
- **Procedures for Clean-Up:** Shut off leak and dike large spills. Carefully neutralize with Sodium Carbonate (it will foam). Absorb with an inert material such as earth, sand or vermiculite. Sweep up and dispose of in accordance with Federal State and local regulations.
- **Waste Disposal:** Dispose of in accordance with all applicable federal, provincial and local regulations.
- **Precautions to be taken in handling and storage:** Store at room temperature. Use approved containers. Do not use metal containers.

**TRANSPORTATION DATA**

- **Transport Canada:** Regulated
- **Proper Shipping Name:** ARYLSULFONIC ACIDS, LIQUID with not more than 5 per cent free sulfuric acid
- **Hazard Class:** 8
- **P.I.N.:** UN 2586
- **Packing Group:** III
JemPak 1298 Sulphonic Acid

Product Code: 507 8005

United States D.O.T.: Regulated
U.S. D.O.T. Proper Shipping Name: Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent sulfuric acid
U.S. D.O.T. Hazard Class: Corrosive Liquid Class 8
I.D. Number: UN 2586
Packing Group: III
Special provisions: IB3, T4, TP1 (CFR172.102)
Label codes: 8 Label(s) Required: Corrosive
Packaging: Exceptions: 173.154; Non-bulk: 173.203; Bulk: 173.241
Quantity limitation: Passenger aircraft/rail: 5 L; Cargo aircraft only: 60L
Vessel stowage: (10A) Location: B
Reportable Quantity: 1000 lbs.
Freight Classification: Cleaning compound
Special Transportation Notes: This material is considered hazardous under Hazard Communication Standard 29 CFR 1910.1200

COMMENTS SECTION VI
This product contains the following subject to the reporting requirements of WHMIS
Alkylaryl Sulphonic Acid CAS# 27176-87-0 / 68584-22-5 60 - 100%
Sulphuric Acid CAS# 7664-93-9 1 - 5%

LABEL INFORMATION – SECTION VII
WHMIS CLASSIFICATION: Corrosive Class E

PREPARATION INFORMATION --- SECTION VIII
Prepared by: WHMIS GROUP (905)827-1123
Telephone: 24 HR (613) 996-6666
Original Date: 01/22/92 Revision Date: March 3, 2016 Supersedes: May 17, 2012
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