

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : **PUMA<sup>®</sup> 3020**  
**Common Chemical Name** : potassium octoate  
 (dipropylene glycol)  
**Supplier** : ExpoMix Corporation  
 1099 Brown Street, Unit 203  
 Wauconda, IL 60084  
 USA  
 Ph: (847) 487-0730  
 Fx: (847) 487-0217  
**Emergency Telephone** : 800-424-9300 - CHEMTREC

### SECTION 2 - INGREDIENTS

Chemical Name	CAS	EINECS	Amount
potassium octoate	3164-85-0	221-625-7	76%
dipropylene glycol	25265-71-8	246-770-3	23%

**Chemical Family** : Mixture  
**Empirical Formula** : Organic Salt Solution  
**Intended Use** : Catalyst

*Occupational Exposure Limit(s), if available, are listed in section 8.*

### SECTION 3 - HEALTH HAZARDS

**HMIS HEALTH**      **2**      **FLAMMABILITY**      **1**      **REACTIVITY**      **0**

**Hazards** : Harmful if in contact with skin. Severe eye irritant. Mild skin irritant.  
**Routes of Exposure** : Eye and Skin contact. Ingestion. Inhalation.  
**Exposure Standards** : Exposure limits not established by OSHA (ACGIH).  
 Maintain air contaminant concentrations in the workplace at the lowest possible levels.

**SECTION 3 - HEALTH HAZARDS (CONT.)**

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**Human Health Hazards**

: Contact with the eyes causes severe irritation and pain. Contact with skin may cause dryness (defatting), itching, rash, mild irritation and discomfort. Inhalation of mists may cause irritation in the respiratory tract. Repeated and/or prolonged exposures may result in: adverse eye effects (such as conjunctivitis or corneal damage), adverse skin effects (such as defatting, rash or irritation).

Dryness of nasal passages may be experienced when material is inhaled over a long period of time. Repeated and/or prolonged exposure to low concentrations of vapor may cause eye irritation, which is transient.

**Medical Conditions  
Generally Aggravated by  
Exposure**

: Eye disease.

**Carcinogens Under OSHA  
ACGIH, NTP, IARC, Other**

: This product contains no carcinogens in concentrations of 0.1 percent or greater.

**SECTION 4 - FIRST AID**

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**Effects and Symptoms****Ingestion**

: If swallowed call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person. Do NOT apply mouth-to-mouth respiration.

**Inhalation**

: Move patient to fresh air. If breathing has stopped or is labored give assisted respiration. Supplemental oxygen may be indicated. Seek medical advice. Prevent aspiration of vomit. Turn victim's head to the side.

**Skin Contact**

: Remove contaminated clothing and shoes. Wash affected area with soap and water.

**Eye Contact**

: Hold eye lids apart and immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice.

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**SECTION 5 - FIRE AND EXPLOSION DATA**

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<b>Extinguishing Media</b>	: Ignition will rise to a Class B fire. In case of fire use: water streams.
<b>Protection of Fire-Fighters</b>	: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. May generate toxic or irritating combustion products. Vapor may form explosive mixtures with air. Contact of liquid with skin must be prevented. Sudden reaction and fire may result if product is mixed with an oxidizing agent. May generate carbon monoxide gas.
<b>Fire Hazard Classification (OSHA/NFPA)</b>	: Class III B

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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<b>Containment Techniques</b>	: Stop the leak, if possible. Ventilate the space involved. Reduce vapor spreading with water spray. Shut off and remove all ignition sources. Construct a dike to prevent spreading. Protect workers with water spray.
<b>Personal Precautions</b>	: Evacuate all personnel downwind from the spill. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Evacuate the area.
<b>Environmental Precautions</b>	: Do NOT release product to drain. Observe all Federal, State and local environmental regulations for appropriate product disposal.
<b>Methods for Cleaning up</b>	: If recovery is not feasible, absorb product with dry soil, sand or non-reactive absorbent and place it in an appropriate waste chemical container for disposal. Flush area with water spray. Transfer to containers by suction. Place in metal containers for recovery and disposal. Ventilate area and wash spill site after material pickup is complete. Clean-up personnel must be equipped with self contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck.

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**SECTION 7 - HANDLING AND STORAGE**

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- Handling** : Avoid contact with skin or eyes. Avoid breathing of vapors. Handle product in a well ventilated work space and do not eat or drink. Keep containers closed when empty. Empty containers may contain explosive vapors. Flush empty containers with water to remove residual combustible or flammable liquid and vapors. Smoking in area is prohibited.
- Storage** : Keep product away from oxidants. Keep in cool, dry ventilated storage and in closed containers. Do not store in reactive metal containers. Product may partially freeze with extended exposure to cold temperatures. Product should be stored at temperatures above 5 C (40 F).
- Other Precautions** : Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations (OSHA).

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**SECTION 8 - PERSONAL PROTECTION AND EXPOSURE CONTROLS**

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- Engineering Measures** : Maintain air concentrations in work spaces in accord with standards outlined in Sections 2 and 3.
- Hygienic Measures** : Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking or using the bathroom. Promptly remove clothing that becomes contaminated. Discard contaminated leather articles. Launder or discard contaminated clothing.
- Occupational Exposure Limits** : No Data.
- Personal Protective Equipment**
- Respiratory System** : Not required under normal conditions in a well-ventilated area. Use appropriate NIOSH/MSHA-approved respirator during repair and cleaning of equipment, and during transfer or discharge of the product, sampling, and spray applications. Types of respirators that may be used include the following: Chemical Cartridge Respirator with face piece to protect against the organic vapor, supplied air respirator with full face piece (NIOSH Approved) self-contained breathing apparatus in pressure demand mode. In emergency conditions use a self-contained breathing apparatus in pressure demand mode.

**SECTION 8 - PERSONAL PROTECTION AND EXPOSURE CONTROLS (CONT.)**

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<b>Skin and Body</b>	: Impervious clothing. Long sleeve clothing.
<b>Hands</b>	: Neoprene rubber gloves. Impermeable gloves. Cuffed butyl rubber gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.
<b>Eyes</b>	: Splash-proof eye goggles. In emergency situations, use eye goggles with a full face shield.

**SECTION 9 - TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**

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**Guaranteed Values**

<b>potassium octoate in dpg</b>	: 74% min.
<b>Water</b>	: 3.5% max.

**Typical Values**

<b>Physical State</b>	: Liquid at processing temperature
<b>Color</b>	: Colorless at processing temperature
<b>Odor</b>	: Odorless
<b>Boiling Point</b>	: >300 °C (>572 °F)
<b>Specific Gravity (Water = 1)</b>	: 1.13
<b>Solubility in Water</b>	: Completely (100%)
<b>Flash Point (Closed Cup)</b>	: 138 °C (280 °F)
<b>Vapor Pressure</b>	: <19.20 mmHg @ 21 °C (70 °F)

**SECTION 10 - STABILITY AND REACTIVITY**

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<b>Stability</b>	: Stable at ambient temperatures. Coagulation may occur following freezing, thawing and boiling.
<b>Conditions to Avoid (if unstable)</b>	: Not Applicable
<b>Materials to Avoid</b>	: Oxidizing agents (i.e. perchlorates, nitrates etc.). Reactive metals (i.e. sodium, calcium, zinc etc.). Sodium or Calcium Hypochlorite. Dehydrating agents. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Material reacts with hydroxyl compounds.
<b>Hazardous Decomposition</b>	: Carbon dioxide, and carbon monoxide in a fire. Irritating and toxic fumes at elevated temperatures. Aldehydes. Organic acid vapors.
<b>Hazardous Polymerization</b>	: Will not occur.

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**SECTION 11 - TOXICOLOGICAL PROPERTIES**

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**Acute Toxicity**

Skin (Rabbit) LD50: >1000 mg/kg

**Target Organs**

Eye

**Irritation Effects Data**

Severe irritant to the eyes of a rabbit. Mild irritant to the skin of a rabbit.

**Chronic/Subchronic Data**

No delayed, subchronic or chronic test data are shown.

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**SECTION 12 - ECOLOGICAL INFORMATION**

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**Ecotoxicity Effects**

No Data

**Other Ecological Information**

No Data

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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**Methods of Disposal**

: Comply with all federal, state and local environmental regulations.

*Please refer to the relevant EU regulations, in particular the guidelines / decisions of the Council regarding handling of wastes (e.g. 75/442/EEC, 91/689/EEC, 94/67/EC, 94/904/EC) as implemented in National regulations.*

*Must be disposed of by special means, e.g. suitable incineration, in accordance with local regulations.*

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**SECTION 14 - TRANSPORT INFORMATION**

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**DOT Non-Bulk Shipping Name** : No dangerous cargo  
**DOT Bulk Shipping** : No dangerous cargo  
**IMO Shipping Data** : No dangerous cargo  
**ICAO/IATA Shipping Data** : No dangerous cargo

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**SECTION 15 - REGULATORY INFORMATION**

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**US Federal Regulations****Toxic Substances Control Act (TSCA)**

All components are included in the EPA TSCA Chemical Substance Inventory.

**Toxic Substances Control Act (TSCA) 12(b) Component(s)**

None

**OSHA Hazard Communication Standard (29 CFR1910.1200) hazard class(es)**

Irritant.

**EPA SARA Title III Section 312 (40CFR370) hazard class**

Immediate Health Hazard.

**EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" level**

None

**State Regulations**

**Proposition 65 Substances (component(s) known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986")**

None

**New Jersey Trade Secret Registry Number(s)**

None

**EC Regulations**

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**SECTION 16 - OTHER INFORMATION**

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The environmental, health and safety information contained herein is given in compliance with statutory obligations and relates only to the substance/preparation described in this material safety data sheet. This data sheet and the information it contains are not intended to supersede any terms and conditions of sale and does not constitute a specification, promise, representation, or warranty, whether express or implied, except to the extent required by applicable law. The environmental, health and safety information contained herein is believed to be accurate based on our current knowledge. It remains the responsibility of the customer to provide a safe workplace and to comply with all applicable laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.