SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

1.1 Product Name: PAUL MITCHELL® 20 VOL. CREAM DEVELOPER 6%

1.2 Chemical Name: NA

1.3 Synonyms: JPMS® 20 Vol. Cream Developer 6%

1.4 Trade Names: John Paul Mitchell Systems® 20 Vol. Cream Developer 6%

1.5 Product Use: Professional Use Only

1.6 Distributor's Name: TU-K Industries, Inc.

1.7 Distributor’s Address: 5702 Firestone Place, South Gate, CA 90280

1.8 Emergency Phone: CHEMTEL: +1 (800) 255-3924 / +01-813-248-0585

1.9 Business Phone / Fax: +1 (562) 927-3365 / +1 (562) 928-8154

2. HAZARDS IDENTIFICATION

2.1 Hazard Identification: Prepared in accordance with UN Globally Harmonized standards. Intended to comply with OSHA 29 CFR 1910.1200, Canadian WHMIS and Australian Work Health and Safety standards. This product is classified as a hazardous substance BUT NOT as dangerous goods according to the classification criteria of WHSR and ADG Code (Australia).

WARNING! CAUSES SERIOUS EYE IRRITATION.

Classification: Eye Irrit. 2

2.2 Label Elements:

Hazard Statements (H): H319 – Causes serious eye irritation.


2.3 Other Warnings:

KEEP OUT OF REACH OF CHILDREN.

NOTICE: This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty, expressed or implied, if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, patch testing is recommended. If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

3. COMPOSITION & INGREDIENT INFORMATION

<table>
<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>CAS No.</th>
<th>RTECS No.</th>
<th>EINECS No.</th>
<th>%</th>
<th>ACGIH ppm</th>
<th>NOHSC ppm</th>
<th>OSHA ppm</th>
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<tbody>
<tr>
<td>AQUA (WATER/EAU)</td>
<td>7732-18-5</td>
<td>ZC01010000</td>
<td>231-791-2</td>
<td>60-100</td>
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<td>MX09000000</td>
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<td>(1.4)</td>
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<td>NA</td>
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<tr>
<td>DECYL OLEATE</td>
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<td>NA</td>
<td>222-981-6</td>
<td>1-5</td>
<td>NA</td>
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<td>MM02250000</td>
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<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>PROPRIETARY BLEND</td>
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<td>NA</td>
<td>1-5</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>UX7350000</td>
<td>231-767-1</td>
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<td>5</td>
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<tr>
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<td>TB83000000</td>
<td>231-633-2</td>
<td>&lt;1.0</td>
<td>(1)</td>
<td>(3)</td>
<td>NF</td>
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</tbody>
</table>

4. FIRST AID MEASURES

4.1 First Aid:

Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Do not induce vomiting. If symptoms do not improve, seek immediate medical attention.

Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Seek immediate medical attention.

Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

Inhalation: Remove victim to fresh air at once.
4. FIRST AID MEASURES – cont’d

4.2 Effects of Exposure:

Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea.

Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.

Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.

Inhalation: None expected.

4.3 Symptoms of Overexposure:

Overexposure in eyes may cause severe damage, redness, itching and watering. Symptoms of skin overexposure may include redness, itching, irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.

4.4 Acute Health Effects:

Severe irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.

4.5 Chronic Health Effects:

These ingredients may be irritating to skin and mucous membrane of the eye and respiratory system.

4.6 Target Organs:

Eyes, Skin, Respiratory System

4.7 Medical Conditions Aggravated by Exposure:

Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

5. FIREFIGHTING MEASURES

5.1 Fire & Explosion Hazards:

This product is not flammable.

5.2 Extinguishing Methods:

CO₂, Halon (if permitted), Dry Chemical, Foam, as authorized.

5.3 Firefighting Procedures:

As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1 Spills:

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill.

For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1 Work & Hygiene Practices:

Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water.

7.2 Storage & Handling:

Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer, the container may rupture. Never return unused material to the original container. Empty containers should be rinsed with water before discarding. Reseal container tightly to keep out moisture and other contaminants.

7.3 Special Precautions:

CAUTION: Decomposition of hydrogen peroxide may occur with increase in pressure and possible container rupture. KEEP OUT OF REACH OF CHILDREN. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.
8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits:

<table>
<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>ACGIH</th>
<th>NOHSC</th>
<th>OSHA</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE</td>
<td></td>
<td></td>
<td></td>
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<td>(1.4)</td>
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<td>NA</td>
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<tr>
<td>TETRASODIUM PYROPHOSPHATE</td>
<td>5</td>
<td>NA</td>
<td>5</td>
<td>NF</td>
</tr>
<tr>
<td>PHOSPHORIC ACID</td>
<td>(1)</td>
<td>(3)</td>
<td>NF</td>
<td>NA</td>
</tr>
</tbody>
</table>

8.2 Ventilation & Engineering Controls: When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.

8.4 Eye Protection: AVOID EYE CONTACT. Protective eyewear recommended. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard as soft lenses may absorb and concentrate irritants.

8.5 Hand Protection: AVOID SKIN CONTACT. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. During use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

8.6 Body Protection: Apron recommended when handling large quantities (e.g., ≥ 1 gallon). Eye wash stations and deluge showers should be available.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Appearance: White cream, free flowing lotion

9.2 Odor: Characteristic

9.3 Odor Threshold: NA

9.4 pH: 3.5-4.5

9.5 Melting Point/Freezing Point: NA

9.6 Initial Boiling Point/Boiling Range: NA

9.7 Flashpoint: NA

9.8 Upper/Lower Flammability Limits: NA

9.9 Vapor Pressure: NA

9.10 Vapor Density: NA

9.11 Relative Density: 1.012-1.022 gm/ml

9.12 Solubility: Partial to complete

9.13 Partition Coefficient (log Pow): NA

9.14 Autoignition Temperature: NA

9.15 Decomposition Temperature: NA

9.16 Viscosity: 3,300-4,400 cPs

9.17 Other Information: NA

10. STABILITY & REACTIVITY

10.1 Stability: This product is stable.

10.2 Hazardous Decomposition Products: Oxides of carbon (CO, CO₂), nitrogen (NOₓ) and sulfur (SO₂).

10.3 Hazardous Polymerization: Will not occur.

10.4 Conditions to Avoid: Open flames, sparks and high heat, direct sunlight.

10.5 Incompatible Substances: Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of Entry: Inhalation: YES  Absorption: YES  Ingestion: YES

11.2 Toxicity Data: This product has NOT been tested on animals to obtain toxicity data. Toxicology data, found in scientific literature, is available for some of the components, but is not presented in this document.

11.3 Acute Toxicity: See Section 4.4

11.4 Chronic Toxicity: See Section 4.5

11.5 Suspected Carcinogen: Hydrogen Peroxide: ACGIH A3 (confirmed animal carcinogen with unknown relevance to humans). Not Listed: NTP, IARC, CA and OSHA.
11. TOXICOLOGICAL INFORMATION – cont’d

11.6 Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.

Mutagenicity: This product is not reported to produce mutagenic effects in humans.

Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to cause teratogenic effects in humans.

Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.

11.7 Irritancy of Product: See Section 4.2

11.8 Biological Exposure Indices: NE

11.9 Physician Recommendations: Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1 Environmental Stability: There are no specific data available for this product.

12.2 Effects on Plants & Animals: There are no specific data available for this product.

12.3 Effects on Aquatic Life: The product itself has not been tested as a whole. There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal: Dispose of in accordance with federal, state and local regulations.

13.2 Special Considerations: U.S. EPA Waste Number: D001 (characteristic - ignitable)

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1 49 CFR (GND): NOT REGULATED

14.2 IATA (AIR): NOT REGULATED

14.3 IMDG (OCN): NOT REGULATED

14.4 TDGR (Canadian GND): NOT REGULATED

14.5 ADR/RID (EU): NOT REGULATED

14.6 SCT (MEXICO): NOT REGULATED

14.7 ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15.1 SARA Reporting Requirements: This product contains Phosphoric Acid, a substance subject to SARA Title III, section 313 reporting requirements.

15.2 SARA TPO: There are no specific Threshold Planning Quantities for the components of this product.

15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory.

15.4 CERCLA Reportable Quantity: Hydrogen Peroxide: 454 kg (1000 lbs); Phosphoric Acid: 2270 kg (5000 lbs)

15.5 Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration’s 21 CFR subchapter G (Cosmetics). This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.

15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDISL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects)

15.7 State Regulatory Information: Hydrogen Peroxide is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov

15.8 Other Requirements: This product is found on the following inventory lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC, Japan – ENCS, Korea – KECL, New Zealand – NZIoC, Philippines – PICCS; USA – TSCA
16. OTHER INFORMATION

16.1 Other Information:

**WARNING! CAUSES SERIOUS EYE IRRITATION.** For external use only. Use only as directed. Discontinue use immediately if irritation develops. Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eyeface protection. If skin irritation occurs: Get medical advice/attention. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

**NOTICE:** This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty, expressed or implied, if used by others. **CAN CAUSE AN ALLERGIC REACTION.** Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy. If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness. **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.**

16.2 Terms & Definitions:

See last page of this Safety Data Sheet.

16.3 Disclaimer:

This Safety Data Sheet is offered pursuant to OSHA’s Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate’s & TU-K Industries, Inc.’s (2K Industries) knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16.4 Prepared for:

**TU-K Industries, Inc. (2K)**
5702 Firestone Place
South Gate, CA 90280 USA
Tel: +1 (562) 927-3365
Fax: +1 (562) 928-8154
http://www.2kindustries.com

16.5 Prepared by:

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P.O. Box 787
Sisters, Oregon 97759-0787 USA
Tel: +1 (310) 370-3600
Fax: +1 (310) 370-5700
http://www.shipmate.com
A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

**GENERAL INFORMATION:**

- **CAS No.** Chemical Abstract Service Number
- **RTECS No.** Registry of Toxic Effects of Chemical Substances Number
- **EINECS No.** European Inventory of Existing Commercial Chemical Substances Number

**EXPOSURE LIMITS IN AIR:**

- **ACGIH** American Conference on Governmental Industrial Hygienists
- **IDLH** Immediately Dangerous to Life and Health
- **NOHSC** National Occupational Health and Safety Commission (Australia)
- **OSHA** U.S. Occupational Safety and Health Administration
- **PEL** Permissible Exposure Limit
- **STEL** Short Term Exposure Limit
- **TLV** Threshold Limit Value
- **TWA** Time Weighted Average

**FIRST AID MEASURES:**

- **CPR** Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM:** HMIS

- **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**
  - 0 Minimal Hazard
  - 1 Slight Hazard
  - 2 Moderate Hazard
  - 3 Severe Hazard
  - 4 Extreme Hazard

**PERSONAL PROTECTION RATINGS:**

- **A**
- **B**
- **C**
- **D**
- **E**
- **F**
- **G**
- **H**
- **I**
- **J**
- **K**
- **X** Consult your supervisor or SOPs for special handling directions.

**OTHER STANDARD ABBREVIATIONS:**

- **Carc** Carcinogenic
- **Irr** Irritant
- **NA** Not Available
- **NR** No Results
- **ND** Not Determined
- **NE** Not Established
- **NF** Not Found
- **SCBA** Self-Contained Breathing Apparatus
- **Sens** Sensitization

**FLAMMABILITY LIMITS IN AIR:**

- **Lower Explosive Limit (LEL)**: Lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.
- **Upper Explosive Limit (UEL)**: Highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

**HAZARD RATINGS:**

- 0 Minimal Hazard
- 1 Slight Hazard
- 2 Moderate Hazard
- 3 Severe Hazard
- 4 Extreme Hazard

**TOXICOLOGICAL INFORMATION:**

- **LD₅₀** Lethal Dose (solids & liquids) which kills 50% of the exposed animals
- **LC₅₀** Lethal concentration (gases) which kills 50% of the exposed animal
- **ppm** Concentration expressed in parts of material per million parts
- **TL₅₀** Median threshold limit
- **Cₘₐₓ** Highest percent of vapor in air, by volume, that will cause a symptom

**WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:**

- **Class A** Compressed
- **Class B** Flammable
- **Class C** Oxidizing
- **Class D1** Toxic
- **Class D2** Irritating
- **Class D3** Infectious
- **Class E** Corrosive
- **Class F** Reactive

**CLP/GHS (1272/2008/EC) PICTOGRAMS:**

- **Explosive**
- **Flammable**
- **Oxidizer**
- **Pressurized**
- **Corrosive**
- **Toxic**
- **Irritating**
- **Health Hazard**
- **Environment**

**DEFINITION OF TERMS**