Page 1 of 6 **SAFETY DATA SHEET** PAUL MITCHELL 2K-004 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.6 SDS Revision Date: 1/1/2018 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name JOHN PAUL MITCHELL SYSTEMS 20 VOL. CLEAR DEVELOPER 6 % 1.2 Chemical Name: 1.3 Synonyms: JPMS 20 Vol. Clear Developer 6% 1.4 Trade Names: John Paul Mitchell Systems 20 Vol. Clear Developer 6% 1.5 Product Uses & Restrictions: Professional or Cosmetic Use Only TU-K Industries, Inc. 1.6 Distributor's Name 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 Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS 2.1 according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). WARNING! HARMFUL IF SWALLOWED. CAUSES SERIOUS EYE IRRITATION. Classification: Eye Irrit. 2; Acute Oral 4 Hazard Statements (H): H302 - Harmful if swallowed. H319 - Causes serious eye irritation. Precautionary Statements (P): P264 - Wash thoroughly after handling. P280 - Wear protective gloves and eye/face protection. P305+P351+P338 - IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P405 - Store locked up. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF). 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC OSHA maa ppm ppm ES-ES-TI V STFI PFI STEL IDI H CHEMICAL NAME(S) RTECS No. FINECS No OTHER CAS No. TWA STEL PFΔK 7732-18-5 ZC0110000 231-791-2 60-100 NA NA NF NF NF NA NA NA AQUA (WATER/EAU) 7722-84-1 MX0900000 231-765-0 5.5-6.5 (1.4) NA (1.4) NF NF (1.4) NA 75 HYDROGEN PEROXIDE Acute Oral 4:Eve Irrit, 2: H319 9005-65-6 NA 500-019-9 < 1.0 NA NA NF NF NF NA NA NA POLYSORBATE 80 9005-64-5 NA NA < 1.0 NA NA NF NF NF NA NA NA POLYSORBATE 20 NA NA < 1.0 NA NA NF NF NF NA NA NA ISOPROPYL C12-15-PARETH-9 NΑ CARBOXYLATE 4. FIRST AID MEASURES 4 1 First Aid: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk Ingestion: 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. Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water Eyes: for at least 15 minutes. Seek immediate medical attention. If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough Skin: washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Remove victim to fresh air at once. Inhalation: 4.2 Effects of Exposure If product is swallowed, may cause nausea, vomiting and/or diarrhea. Ingestion: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and Eyes: Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. 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, and 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.

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PAUL MITCHELL 2K-004 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.6 SDS Revision Date: 1/1/2018 4. FIRST AID MEASURES - cont'd Chronic Health Effects: No harmful or chronic health effects are expected to occur from a single accidental ingestion. 46 Target Organs: Eyes, Skin, Respiratory System 47 Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** Aggravated by Exposure: target organs (eyes, skin, and respiratory system). **FLAMMABILITY** 0 1 PHYSICAL HAZARDS PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: This product is not flammable. Extinguishing Methods CO₂, Halon (if permitted), Dry Chemical, Foam, as authorized. 5.2 5.3 Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressuredemand) 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 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective 6.1 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 <u>large spills</u> (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. 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 72 Storage & Handling: from physical damage. Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spills promptly 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: ACGIH NOHSC OSHA OTHER 8.1 ppm (mg/m³) CHEMICAL NAME(S) TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH HYDROGEN PEROXIDE (1.4)NA (1.4)NF (1.4)NA Ventilation & Engineering Controls: 8.2 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. No special respiratory protection is required under typical circumstances of use or handling. 8.3 Respiratory Protection: 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. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this 8.4 Eye Protection: product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. If anticipated that prolonged & 8.5 Hand Protection: repeated skin contact will occur 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 Body Protection: AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. However, no special body 8.6 protection is required under typical circumstances of use and handling. If necessary, refer to

appropriate standards of Canada, the E.C. member states, or U.S. OSHA.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.6 SDS Revision Date: 1/1/2018 9. PHYSICAL & CHEMICAL PROPERTIES Appearance: Colorless clear liquid 9.2 Odor Characteristic 9.3 Odor Threshold: NA 9.4 3.5-4.5 Melting Point/Freezing Point: 9.5 NA 9.6 Initial Boiling Point/Boiling NA Range: 9.7 Flashpoint: NA 9.8 Upper/Lower Flammability NA Limits: NA Vapor Pressure: 9.9 9.10 Vapor Density: NA Relative Density: 9.11 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 NA Other Information: 9.17 NA 10. STABILITY & REACTIVITY 10 1 Stability: This product is stable. 10.2 Hazardous Decomposition Oxides of carbon (CO, CO₂) and sulfur (SO₂). Liberation of gas my result in dangerous pressure. Products: 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. 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 original container. Avoid extreme heat and ignition sources. 11. TOXICOLOGICAL INFORMATION Ingestion: YES 11.1 Routes of Entry: Absorption: YES 11.2 Toxicity Data: This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. Data for some components are presented: Hydrogen Peroxide LD₅₀ Oral Rat 1,518 mg/kg. 11.3 Acute Toxicity: See section 4.4 11.4 Chronic Toxicity See section 4.5 11.5 Suspected Carcinogen This product contains Hydrogen peroxide listed: ACGIH Group A3; IARC Group 3: Not classifiable as to its carcinogenicity to humans. 11.6 Reproductive Toxicity: This product is not reported to produce 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 4.3. Biological Exposure Indices ΝE 11.9 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION Environmental Stability: There is no specific data available for this product 12.2 Effects on Plants & Animals: There is no specific data available for this product. 12.3 Effects on Aquatic Life: There is 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

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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 does not contain any substances subject to SARA Title III, section 313 reporting requirements				
15.2	SARA Threshold Planning Quantity:	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 (RQ):	NA NA				
15.5	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 MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.				



State Regulatory Information: Hydrogen Peroxide is found on the following state criteria list: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA) and Washington Permissible Exposures List (WA).

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), Washingtón Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).

15.8 Other Requirements: The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Hydrogen Peroxide: Irritant (Xi); Harmful (Xn)

Risk Phrases (R):20/22-36 - Harmful by inhalation and if swallowed. Irritating to eyes. Safety Phrases (S): 2-3/7-20-26-36/37/39 - 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 eye/face protection.



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	1100 10 001171,7100,71110	51, NOTISE, WITINIS, 200 1/30 & 12/2/2000/EC Standards	3D3 Revision. 1.0 3D3 Revision Date. 1/1/2010						
40. OTHER INFORMATION									
	16. OTHER INFORMATION								
16.1	Other Information:	WARNING! HARMFUL IF SWALLOWED. 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 eye/face protection. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.							
		warranty expressed or implied if used by others recommended. Tattoos, including black and t	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.						
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 & John Paul Mitchell Systems' (2K Industries), knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are 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	PAUL MITCHELL						
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com	ShipMate* Dangerous Goods Training & Consulting						

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DEFINITION OF TERMS

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

EXPOSURE LIMITS IN AIR:

	•	
ACGIH	American Conference on Governmental Industrial Hygienists	
C Ceiling Limit		
ES Exposure Standard (Australia)		
IDLH Immediately Dangerous to Life and Health		
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

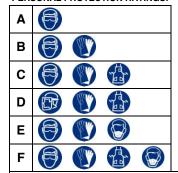
CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

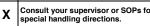
	0	Minimal Hazard		
	1 Slight Hazard			
2 Moderate Hazard				
3 Severe Hazard		Severe Hazard		
4 Extreme Hazard		Extreme Hazard		

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:



















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OTHER STANDARD ABBREVIATIONS:

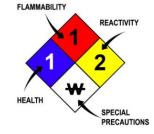
ML	Maximum Limit		
mg/m3	milligrams per cubic meter		
NA	Not Available		
ND Not Determined			
NE Not Established			
NF Not Found			
NR	No Results		
ppm parts per million			
SCBA	Self-Contained Breathing Apparatus		

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:							
Autoignition	Autoignition Minimum temperature required to initiate combustion in air with no other						
Temperature	source of ignition						
LEL	LEL Lower Explosive Limit - lowest percent of vapor in air, by volume, that will						
	explode or ignite in the presence of an ignition source						
UEL	UEL Upper Explosive Limit - 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
ACD	Acidic
ALK	Alkaline
COR	Corrosive
₩	Use No Water
ОХ	Oxidizer
TREFOIL	Radioactive
	-



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals			
	\$			
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm	Concentration expressed in parts of material per million parts			
TD _{Io}	Lowest dose to cause a symptom			
TCLo	Lowest concentration to cause a symptom			
TD _{io} , LD _{io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects			
TC, TC _o , LC _{io} , & LC _o				
IARC	International Agency for Research on Cancer			
NTP	National Toxicology Program			
RTECS	Registry of Toxic Effects of Chemical Substances			
BCF	Bioconcentration Factor			
TL _m	Median threshold limit			
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution			

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NOHSC National Occupational Health and Safety Commission (Australia)	
NDSL Canadian Non-Domestic Substance List	
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

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0	(4)	(A)	@	(T)	®		(R)
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

			M	*			X	X
	С	E	F	N	0	Т	Xi	Xn
ſ	Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

			\Diamond			♦		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment