

Safety Data Sheet
Patchology MoodPatch Perk Up
MPPU1/MPPU5

Iontera, Inc. (Makers of Patchology)
83 Morse St, Ste 8A
Norwood, MA 02062

Telephone: 401-378-6585
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SECTION 1 - IDENTIFICATION

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|------------------------|------------------------------|----------------------------|
| CHEMICAL FAMILY: | Patchology MoodPatch Perk Up | Manufacturer: Iontera, Inc |
| IDENTITY (TRADE NAME): | MPPU1/MPPU5 | 83 Morse St, Ste 8A |
| ISSUE DATE: | 03/11/19 | Norwood, MA 02062 |
| REVISION DATE: | 03/11/19 | (401) 378-6585 |

SECTION 2 - HAZARD IDENTIFICATION

This is a personal care product that is safe for consumers when used as intended.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Water (Aqua/Eau), Glycerin, Butylene Glycol, Xanthan Gum, Carrageenan, Ceratonia Siliqua (Carob) Gum, PEG60 Hydrogenated Castor Oil, 1,2-Hexanediol, Allantoin, Camellia Sinensis Leaf Powder, Citrus Aurantium Bergamia (Bergamot) Fruit Oil, Potassium Chloride, Sucrose, Pentylen Glycol, Chlorphenesin, Propanediol, Pinus Sylvestris Leaf Extract, Ethyl Hexanediol, Cocos Nucifera (Coconut) Fruit Extract, Calcium Lactate, Cellulose Gum, Gellan Gum, Sodium Polyacrylate, Disodium EDTA, Angelica Gigas Root Extract, Cimicifuga Racemosa Root Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Morus Alba Bark Extract, Paeonia Lactiflora Root Extract, Phellinus Linteus Extract, Polygonum Multiflorum Root Extract, Scutellaria Baicalensis Root Extract, Sesamum Indicum (Sesame) Seed Extract, Sodium Hyaluronate, Sophora Angustifolia Root Extract, Saururus Chinensis Extract, Ethylhexylglycerin, Coplis Chinensis Root Extract, Chromium Oxide Greens (CI 77288)

SECTION 4 - FIRST AID MEASURES

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| SKIN CONTACT: | Not expected to be a skin hazard under normal use. Seek medical attention if irritation develops and persists. |
| EYE CONTACT: | If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists. |
| INHALATION: | Not expected to be an inhalation hazard under normal use. Avoid breathing dust. If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues. |
| INGESTION: | Not expected to be an ingestion hazard under normal use. If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional. |
| Carcinogenicity | Not listed as a carcinogen by NTP, IARC, OSHA or ACGIH. |

SECTION 5 - FIRE-FIGHTING MEASURES

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| FLASH POINT/METHOD: | Non-flammable. This water-based material has little potential for fire or explosion |
| EXTINGUISHING MEDIA: | Water, Carbon Dioxide or Dry Chemical |
| FIRE FIGHTING PROCEDURES - SPECIAL: | Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | None |

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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| SPILL AND LEAK RESPONSE: | Personnel should be trained for spill response operations. Floors may be slippery from spill. Scoop the material and clean the area with plenty of water. |
| SPILLS: | Absorb material and place into appropriate labeled waste container. Finish cleaning by spreading water on the contaminated surface. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). |

SECTION 7 - HANDLING AND STORAGE

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| HANDLING: | Avoid contact with eyes. Use good hygiene practices. |
| STORAGE: | Storage at temperature between 10 et 25°C in his original packaging |

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Personal care product that is safe for consumers and other users when used as intended.

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| General measures : | No Special measures required. |
| Individual protection Media : | No Special Media required. |

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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| FLASH POINT: | Not Applicable |
| APPEARANCE: | Green hydrogel |
| Odor: | Characteristic |
| pH: | 5.5-7.5 |
| Boiling point: | 100 C |
| Bacteria : | <100 CFU/g or ml |
| Fungi: | <100 CFU/g or ml |
| Solubility: | Water soluble |

SECTION 10 - STABILITY AND REACTIVITY

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| STABILITY: | Stable under ordinary conditions of use and storage |
| MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: | Strong Base or Strong Acid |
| HAZARDOUS DECOMPOSITION: | COx, Sox |
| Hazardous Polymerization: | Will not occur under normal conditions. |
| CONDITIONS TO AVOID: | Keep away from heat and light |

SECTION 11 - TOXICOLOGICAL INFORMATION

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.

Toxicity Data

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| ORAL: | <p>[Water] : LD50=90,000mg/kg Rat</p> <p>[Glycerin] : LD50=12,600mg/kg Rat</p> <p>[Butylene Glycol] : LD50=22,800mg/kg Rat</p> <p>[Sucrose] : LD50=29,700 mg/kg Rat</p> <p>[Xanthan Gum] : LD50=45,000mg/kg Rat</p> <p>[PEG-60 Hydrogenated Castor Oil] : LD50=5,000mg/kg Rat</p> <p>[Allantoin] : LD50=5,000mg/kg Rat</p> <p>[Sodium Hyaluronate] : LD50=800mg/kg Rat</p> <p>[Ethylhexylglycerin] : LD50>2,000mg/kg Rat</p> <p>[Sodium Polyacrylate] : LD50=40,000mg/kg Rat</p> <p>[Cellulose Gum] : LD50>27,000mg/kg Rat</p> <p>[Disodium EDTA] : LD50=2,300mg/kg Rat</p> <p>[Ethyl Hexanediol] : LD50=1,400mg/kg Rat</p> <p>[1,2-Hexanediol] : LD50=5,000mg/kg Rat</p> <p>[Chlorphenesin] : LD50=3,000mg/kg Rat</p> |
| DERMAL | <p>[Allantoin] : LD50>5,000mg/kg Rat</p> <p>[Ethylhexylglycerin] : LD50>2,000mg/kg Rat</p> <p>[Cellulose Gum] : LD50>2,000mg/kg Rabbit</p> <p>[Ethyl Hexanediol] : LD50=2,000mg/kg Rat</p> |
| INHALATION | [Cellulose Gum] : LC50>5,800mg/L 4hr Rat |
| SKIN CORROSION/IRRITATION | <p>[Ethyl Hexanediol] : Mild skin irritation / STANDARD DRAIZE TEST</p> <p>[1,2-Hexanediol] : No skin irritation / Rabbit</p> |
| SERIOUS EYE DAMAGE/IRRITATION | <p>[Ethyl Hexanediol] : Serious Eye Irritation / STANDARD DRAIZE TEST</p> <p>[1,2-Hexanediol] : No Eye irritation / Rabbit</p> |
| Respiratory sensitization | Not available |
| Skin sensitization | Not available |
| Carcinogenicity | Not available |
| Germ cell mutagenicity | Not available |
| Reproductive toxicity | Not available |
| Further information | Not available |

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

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| Ecotoxicity | <p>[Butylene Glycol] : LC50 100mg/L 96hr Oryzias latipes</p> <p>EC50 1,000mg/L 48hr Daphnia magna EC50 1,070mg/L 72hr Algae</p> <p>[Sucrose] : LC50 199,000,000 mg/L 96 hr Fish LC50 138,000,000 mg/L 48 hr Crustacean EC50 60,200,000 mg/L 96 hr Algae</p> <p>[Xanthan Gum] : LC50 420mg/L 96hr Oncorhynchus mykiss</p> <p>[Allantoin] : LC50 5,000mg/L 96hr Brachydanio rerio EC50 100mg/L 48hr Daphnia magna</p> <p>[Calcium Lactate] : LC50 186,000mg/L 96hr Fish EC50 7,120,000mg/L 48hr Crustacean EC50 3,330,000mg/L 72hr Algae</p> <p>[Disodium EDTA] : LC50 320mg/L 96hr Poecilia reticulata</p> <p>[Ethyl Hexanediol] : LC50 624mg/L 96hr Ictalurus punctatus EC50 134,717mg/L 48hr Daphnia magna EC50 53,750mg/L 96hr Algae</p> <p>[1,2-Hexanediol] : LC50 1291,099 mg/L 96 hr Fish LC50 599,986 mg/L 48 hr Crustacean EC50 161,332 mg/L 96 hr Algae</p> |
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| Persistence | [Butylene Glycol] : 7.21 log Kow [Sucrose] : -3.70 log Kow [PEG-60 Hydrogenated Castor Oil] : 17.71 log Kow [Allantoin] : -3.14 log Kow [Calcium Lactate] : -3.07 log Kow [Disodium EDTA] : -11.70 log Kow [Ethyl Hexanediol] : 1.600 log Kow [1,2-Hexanediol] : 0.58 log Kow [Chlorphenesin] : 1.5 log Kow |
| Bioaccumulation | [Butylene Glycol] : 2668 [PEG-60 Hydrogenated Castor Oil] : 3.162 [Calcium Lactate] : 3.162 [Disodium EDTA] : 3.162 [Ethyl Hexanediol] : 5.281 (L/kg wet-wt) [1,2-Hexanediol] : 3.162 [Chlorphenesin] : 0.6427 |
| Biodegradation | Not available |
| Mobility in soil | [Butylene Glycol] : 60530 [PEG-60 Hydrogenated Castor Oil] : 2060000000 [Allantoin] : 10 [Ethyl Hexanediol] : 0.987 [1,2-Hexanediol] : 3.047 [Chlorphenesin] : 10 |
| Degradability | This product is readily biodegradable. |
| Bioaccumulative Potential | Not available |

SECTION 13 - DISPOSAL CONSIDERATION

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

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| Not a hazardous material for transportation | None |
| HAZARD CLASS: | None |
| ROAD | Not regulated: should follow the packaging standard |
| AIR | Not regulated: should follow the packaging standard |
| SEA | Not regulated: should follow the packaging standard |
| Specificity | Not regulated: should follow the packaging standard |
| IATA | Not regulated as dangerous goods |

SECTION 15 - REGULATORY INFORMATION

None

SECTION 16 - OTHER INFORMATION

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All chemicals may pose unknown hazards and should be used with cautions. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Dermaceutical laboratories assumes no responsibility for the completeness or accuracy of the information contained herein. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and protection of the environment

End of SDS Sheet