

## MATERIAL SAFETY DATA SHEET

|  |  |  |  |  |                               |
|--|--|--|--|--|-------------------------------|
| <b>NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.</b>   |  |  |  |  |                               |
| <b>IDENTITY</b><br>(As shown on Label or package) <b>PLASTI DIP F698, F819, F820</b>   |  |  |  | <b>PART NO.</b><br><b>IF APPLICABLE</b>  |                               |
| <b>SECTION I</b>   |  |  |  |  |                               |
| <b>MANUFACTURER'S NAME</b><br>Plasti Dip International, Inc.   |  |  |  | <b>EMERGENCY PHONE No.</b> 1-800-424-9300  |                               |
| <b>ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)</b><br>3920 Pheasant Ridge Drive<br><br>Blaine, MN 55449   |  |  |  | <b>REVISION #</b><br><br><b>MANUFACTURER'S PHONE No. FOR INFORMATION</b> 1-763-785-2156<br><b>DATE MSDS WAS PREPARED</b> June 26, 2014 |                               |
| <b>SECTION II - HAZARDOUS INGREDIENTS INFORMATION. All Health Hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater.</b> |  |  |  |  |                               |
| <b>HAZARDOUS COMPONENTS CHEMICAL and IDENTITY AND COMMON NAME (S)</b>  | <b>% Wt. (OPTIONAL)</b>                                    | <b>CAS NO.</b>   | <b>OSHA PEL</b>  | <b>ACGIH TLV</b>   | <b>OTHER LIMITS RECOMMEND</b> |
| VM&P Naphtha   | 32-38  | 64742-89-8   | 300 ppm  | 300 ppm  | None                          |
| Hexane   | 16-19  | 110-54-3   | 500 ppm  | 50 ppm   | None                          |
| Toluene  | 13-16  | 108-88-3   | 200 ppm  | 50 ppm   | None                          |
| Methyl Ethyl Ketone  | 3-7  | 78-93-3  | 200 ppm  | 200 ppm  | None                          |
| Resins   | 25-27  | N/A  | N/A  | N/A  | None                          |
| <b>SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS</b>   |  |  |  |  |                               |
| <b>BOILING POINT</b> 149 - 285°F   | <b>SPECIFIC GRAVITY (H<sub>2</sub>O =1)</b><br>0.79 - 0.83 |  | <b>APPROXIMATE WEIGHT PER GALLON (LBS)</b><br>6.60-690 |  |                               |
| <b>VAPOR PRESSURE</b><br>125 mmHg @ 20°C   | <b>VAPOR DENSITY (AIR = 1)</b> Heavier than air            |  | <b>EVAPORATION RATE (BUTYL ACETATE =1)</b> > 1.0       |  |                               |
| <b>SOLUBILITY IN WATER</b><br>Insoluble  | <b>% VOLATILE</b> 72-75%<br><b>VOC LBS./GAL</b>            |  | <b>OTHER (IF ANY)</b> None                             |  |                               |
| <b>APPEARANCE AND ODOR</b> Various Colors, Honey Like Substance - Characteristic Odor  |  |  |  |  |                               |
| <b>SECTION IV-FIRE AND EXPLOSION HAZARD DATA</b>   |  |  |  |  |                               |
| <b>FLASH POINT</b> -10.0°F<br><b>(METHOD USED)</b> TCC   |  | <b>FLAMMABLE LIMITS</b><br>0.9 - 11.5  | <b>LEL</b><br>0.9                                      | <b>UEL</b><br>11.5   |                               |
| <b>EXTINGUISHING MEDIA</b> Carbon Dioxide, Dry Chemical, or Foam   |  |  |  |  |                               |
| <b>SPECIAL FIRE FIGHTING PROCEDURES</b> Self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode.                      |  |  |  |  |                               |
| <b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> This material is flammable and may be ignited by heat, sparks, flame or static electricity.  |  |  |  |  |                               |
| <b>HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION</b> Carbon Dioxide and/or Carbon Monoxide.   |  |  |  |  |                               |
| <b>EXPLOSIVE LIMITS (% BY VOLUME IN AIR)</b> 0.9 - 11.5  |  |  |  |  |                               |
| <b>SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION</b>  |  |  |  |  |                               |
| <b>HAZARD RATING</b><br>4-EXTREME<br>3-HIGH<br>2-MODERATE<br>1-SLIGHT<br>0-INSIGNIFICANT<br>**SEE SECTION IV   |  | <b>National Fire Protection Association (NFPA)</b><br><br><b>FIRE</b> <u>3</u> <b>REACTIVITY</b> <u>0</u> .<br><br><b>HEALTH</b> <u>2</u> <b>SPECIAL HAZARDS</b> <u>None</u> . |  |  |                               |

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| <b>SECTION VI - REACTIVITY AND STABILITY DATA</b>   |  |  |                                    |
| <b>STABILITY</b>  | UNSTABLE   | STABLE X   | <b>CONDITIONS TO AVOID</b> None    |
| <b>INCOMPATIBILITY (Materials to Avoid)</b> Strong acids, bases, oxidizing agents, selected amines with alkali metals and halogens.   |  |  |                                    |
| <b>HAZARDOUS DECOMPOSITION OR BY PRODUCTS</b> Carbon Monoxide, Carbon Dioxide   |  |  |                                    |
| <b>HAZARDOUS POLYMERIZATION</b>   | <b>MAY OCCUR</b><br><b>WILL NOT OCCUR</b> X                  |  | <b>CONDITIONS TO AVOID</b><br>None |
| <b>SECTION VII - HEALTH HAZARD DATA</b>   |  |  |                                    |
| <b>ROUTES OF ENTRY</b>  |  | <b>INHALATION?</b> Yes   | <b>SKIN?</b> Yes                   |
|   |  | <b>INGESTION?</b> Yes  | <b>EYES?</b> Yes                   |
| <b>HEALTH HAZARDS</b>   | <b>ACUTE</b> X   | See Signs and Symptoms of Exposure below.  |                                    |
|   | <b>CHRONIC</b> X   | Brain and Nervous System Damage (Referred to as solvents or painters syndrome). Drying or Cracking skin. |                                    |
| <b>CARCINOGENICITY:</b> No  |  |  |                                    |
| <b>SIGNS AND SYMPTOMS OF EXPOSURE</b>   |  |  |                                    |
| Headache, Dizziness, Drowsiness, Fatigue, Irregular Heartbeat, Skin and Eye Irritation.   |  |  |                                    |
| Target Organs: CNS, CVS, PNS, Liver, Kidneys, Lungs, Respiratory System, Skin.  |  |  |                                    |
| <b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b> Pre-existing Heart, Liver, Kidney and Lung disorders.  |  |  |                                    |
| <b>EMERGENCY AND FIRST AID PROCEDURES</b>   |  |  |                                    |
| Ingestion: Contact Physician or Poison Control Immediately.   |  |  |                                    |
| Inhalation: Remove to fresh air. Administer Oxygen or Artificial Respiration if Necessary.  |  |  |                                    |
| Eye Contact: Flush with large amounts of water. If irritation persists, contact Physician.  |  |  |                                    |
| Skin: Wash with soap and water.   |  |  |                                    |
| <b>SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE</b>   |  |  |                                    |
| <b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b>  |  |  |                                    |
| Wipe up with floor absorbent. Transfer to hood. Prevent run-off to sewers.  |  |  |                                    |
| Eliminate all sources of ignition. Ventilate to maintain exposure below PEL's. Use sand or other material to dam or contain spills. If large spill, notify appropriate state and local agencies.  |  |  |                                    |
| <b>WASTE DISPOSAL METHODS</b> Dispose of product in accordance with local, county, state and federal regulations.   |  |  |                                    |
| <b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE</b>  |  |  |                                    |
| Keep away from sparks, flame and heat sources. Do not store above 120°F and use adequate ventilation.   |  |  |                                    |
| Avoid inhalation of vapors and contact with liquid product. Use good personal hygiene.  |  |  |                                    |
| <b>OTHER PRECAUTIONS</b>  |  |  |                                    |
| Keep Container Closed When Not In Use. Containers should be disposed of in an environmentally safe manner in accordance with Governmental Regulations.  |  |  |                                    |
| <b>SECTION IX - CONTROL MEASURES</b>  |  |  |                                    |
| <b>RESPIRATORY PROTECTION (SPECIFY TYPE)</b> Depending on the Airborne concentration, use a Respirator with appropriate NIOSH approved cartridge or supplied air equipment.   |  | <b>PROTECTIVE GLOVES</b><br>Impervious   |                                    |
| <b>VENTILATION</b>  | <b>LOCAL EXHAUST</b> Supplemental (if needed)                | <b>SPECIAL</b> None  |                                    |
|   | <b>MECHANICAL (GENERAL)</b> To maintain exposure below PEL's | <b>OTHER</b> None  |                                    |
| <b>EYE PROTECTION</b><br>Chemical splash goggles or approved eye protection.  |  | <b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b><br>Impervious Clothing/Boots as needed.                    |                                    |
| <b>WORK HYGIENIC PRACTICES</b> Wash thoroughly after handling.  |  |  |                                    |
| <b>SECTION X - TRANSPORTATION INFORMATION (Optional)</b>  |  |  |                                    |
| <b>D.O.T. PROPER SHIPPING NAME</b> Coating Solution (UN 1139)   |  | <b>D.O.T. HAZARD CLASS</b> 3, PG II  |                                    |
| <b>IATA PROPER SHIPPING NAME</b> Coating Solution (UN 1139)   |  | <b>IATA HAZARD CLASS</b> 3, PG II  |                                    |
| <b>DOT EXCEPTION</b> See DOT 49CFR 172.102, New Special Provision 149 AND DOT 49CFR 171.8 FOR CONSUMER COMMODITY, ORM-D   |  |  |                                    |
| <b>SECTION XI - 313 SUPPLIER NOTIFICATION</b>   |  |  |                                    |
| <b>THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT -TO-KNOW ACT OF 1986, 40 CFR 372,</b> (see table on page 1 for CAS # and percent by weight).<br>Hexane, Toluene and Methyl Ethyl Ketone |  |  |                                    |
| <b>WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.</b>  |  |  |                                    |

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