Safety Data Sheet 115-9010

CircuitMedic, 22 Parkridge Road, Haverhill, MA 01835 USA
Phone: 978-373-1600 | Website: www.circuitmedic.com
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Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	High Temperature Mask
Product Number:	115-9010
UFI Number:	45VH-CAET-2306-KQ4Y
Recommended use:	This synthetic latex peelable solder mask.
Supplier:	CircuitMedic 22 Parkridge Road, Haverhill, MA 01835 USA PHONE: 978-373-1600, FAX: 978-372-5700
Emergency Response:	For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 CCN4877 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

This product is supplied in 30 cc syringes.

HMIS Rating:			
Health:	1	**Flammability:**	0
Physical Hazard:	0	**Personal Protection:**	N/A

Section 2. HAZARD IDENTIFICATION

Classifications:	Classification according to Regulation(EC)No1272/2008 Classifications applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200)
Emergency Overview:	
Immediate Concerns:	May be harmful if swallowed. May cause irritation to skin, eyes, and respiratory system.
Potential Health Effects	
Eyes:	May cause irritation.
Skin:	May cause irritation.
Ingestion:	May be harmful if swallowed.
Inhalation:	Inhalation of airborne droplets may cause irritation of the respiratory tract.
Signs and Symptoms of Overexposure:	
Chronic Effects:	Refer to Section 11 for Toxicological Information.
Medical Conditions Aggravated:	None known.

Section 3. COMPOSITION, INFORMATION OR INGREDIENTS

Chemical Name	Wt.%	CAS #	EINECS
Titanium dioxide	0.1 - 1	13463-67-7	2366755

Ammonia content is < 0.3%.

Section 4. FIRST AID MEASURES

Eyes:	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
Skin:	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion:	Never give anything by mouth to an unconscious person. Seek medical attention if necessary. Do not induce vomiting without medical advice.
Inhalation:	Move to fresh air in case of accidental inhalation of vapors or fumes from overheating or combustion. When symptoms persist or in all cases of doubt, seek medical advice.

Section 5. FIRE-FIGHTING MEASURES

Flash Point and Method:	No data available.
Flammable Limits:	No data available.
Autoignition Temperature:	No data available.
Extinguishing Media:	Water, foam, dry chemical, carbon dioxide.
Other Considerations:	Burning dry latex produces black smoke with the possibility of toxic vapors. Residual latex material contained in empty drums may decompose when burned, producing toxic or irritating fumes. Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.
Fire Fighting Procedures:	Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Cool closed containers exposed to fire with water spray. Do not allow fun-off from fire fighter to enter drains or water courses.

Section 6. ACCIDENTAL RELEASE MEASURES

Small Spill:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.
Environmental Precautions	
Land Spill:	The product should not be allowed to enter drains, water courses, or the soil.
General Procedures:	Ensure response personnel are properly protected (see Section 8 for respiratory or other protection guidelines). Use caution as floors may be slippery.

Section 7. HANDLING AND STORAGE

Handling:	Use only in area provided with appropriate exhaust ventilation. Prolonged heating may results in product degradation. Material may settle during storage. Careful mixing without introduction of air may be necessary before use.
Storage:	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool place. Keep from freezing and extreme temperatures.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA Hazardous Components (29 CFR1910.1200)				
	Exposure Limits			
Chemical Name		**OSHA PEL**	**ACGIH TLV**	**SupplierOEL**
Titanium dioxide	**TWA**	5 mg/m^3 ppm - 10 mg/m^3	10 mg/m^3 ppm - 10 mg/m^3	NL ppm - NL mg/m^3
Titanium dioxide	**STEL**	NL mg/m^3 ppm - NL mg/m^3	NL mg/m^3 ppm - NL mg/m^3	NL ppm - NL mg/m^3

Engineering Controls:	Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.
PERSONAL PROTECTIVE EQUIPMENT	
Eyes and Face:	Safety glasses with side-shields. Wear goggles or face shield during operations that present a splash potential.
Skin:	Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves and face /eye protection. Wear impervious gloves such as rubber or PVC.
Skin:	Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves and face/eye protection. Wear impervious gloves such as rubber or PVC.
Respirator:	A respirator is normally not required for routine handling of product in areas of good general ventilation and adequate local exhaust at processing equipment during routine operation. Airborne contaminant levels should be maintained below the occupational exposure guidelines.
Work Hygienic Practices:	Wash hands after use.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.
Odor:	Slight
Color:	White/Pink
pH:	9.5 to 11.0
Vapor Pressure:	Not Established
Vapor Density:	Heavier than air
Boiling Point:	Not Established
Melting Point:	Not Applicable
Flashpoint and Method:	No data available.
Solubility In Water:	Completely miscible
Evaporation Rate:	Slower than butyl acetate.
Density:	9.10 - 9.76 at 25°C
Specific Gravity:	1.090 to 1.17 g/mL at 25°C
(VOC)	2222 is considered zero-VOC or VOC-free, as it contains < 5 g/L VOC.

Section 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Polymerization:	Hazardous polymerization will not occur.
Conditions to Avoid:	Extremes of temperature and direct sunlight. Keep from freezing.
Hazardous Decomposition Products:	Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.
Incompatible Materials:	Acids, metal salts, and solvents.

Section 11. TOXICOLOGICAL INFORMATION

Carcinogenicity - IARC:	Titanium dioxide (CAS # 13463-67-7) is IARC listed as 2B (possibly carcinogenic to humans).
General Comments:	This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture. Titanium dioxide, in its pure form, has the following characteristic - systemic effects on the respiratory system.

Section 12. ECOLOGICAL INFORMATION

Environmental Data:	Not Available.

Section 13. DISPOSAL CONSIDERATIONS

Disposal Method:	Where possible, recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation, and disposal in accordance with applicable federal, state/provincial, and local regulations.

Section 14. TRANSPORT INFORMATION

DOT (Department of Transportation):	
Proper Shipping Name:	Nonhazardous
UN/NA Number:	N/A
Packaging Group:	N/A
Road and Rail (ADR/RID):	
Hazard Class:	No classification
Air (ICAO/IATA):	
Shipping Name:	Nonhazardous
UN/NA Number:	N/A
Packaging Group:	N/A
Vessel (IMO/IMDG):	
Shipping Name:	Nonhazardous
UN/NA Number:	N/A
Packaging Group:	N/A

Section 15. REGULATORY INFORMATION

United States - CERCLA (Comprehensive Response, Compensation, and Liability Act)	
CERCLA Regulatory:	Not Applicable.
TSCA (Toxic Substance Control Act)	Chemical Name: Titanium dioxide - CAS: 13463-67-7
TSCA Regulatory:	All chemicals in this product are listed in the TSCA inventory or are otherwise exempt.
Occupational Safety and Health Administration (OSHA):	29 CFR1910.119 Process Safety management of Highly Hazardous Chemicals: Classified as hazardous based on components.

Canada

WHMIS Class:	Class D2A - Very Toxic.
Domestic Substance List (Inventory):	All components of this product are listed on the Canadian DSL or are exempt.

Section 16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither Circuit Technology Center, Inc., nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.