



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION				
Trade Name (As Labeled):	SolderQuik Tape			
Manufacturer:	Winslow Automation, Inc.			
Address:	905 Montague Expressway Milpitas, CA 95035			
Information Telephone:	(408) 262-9004			
Telephone (Emergency):	(408) 313-5618			
Chemical Name:	Not Applicable			
Chemical Formula:	Not Applicable			
Product Description:	SolderQuik is an SN63 solder filled tape. It is made up of a lower layer of polyimide, a middle layer of flattened 63 solder, and a top layer of an adhesive coated polyimide film.			
Date Prepared: (Revised)	September 3, 2003			
SECTION 2 – HAZARDOUS AND NON-HAZARDOUS INGREDIENTS				
Note: Product under normal conditions does not represent an inhalation, ingestion or contact health hazard.				
Hazardous Ingredients	C.A.S. Number	Weight %	OSHA PEL	ACGIH TLV
Lead (Pb)	7439-92-1	11	0.05 mg/m ³	0.15 mg/m ³
Tin (Sn)	7440-31-5	19	2.0 mg/m ³	2.0 mg/m ³
Non-Hazardous Ingredients				
Polyimide	N/A	Balance	N/A	N/A
SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS				
Boiling Point: (A 760 mm Hg)	Not Applicable			
Evaporation Rate: (Butyl Acetate = 1)	Not Applicable			
Solubility in Water:	Insoluble			
Specific Gravity: (H ₂ O = 1)	Not Applicable			
Volatile Organic Compounds: (VOC)	Not Applicable			
Percent Volatile: (by Volume)	Not Applicable			
Vapor Density: (Air = 1):	Not Applicable			
Vapor Pressure: (mm Hg):	Not Applicable			
Appearance and Odor:	Amber tape construction with solder inserts.			
pH: (10% Solution)	Not Applicable			
Melting Point:	Not Applicable			



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SECTION 4 – FIRE AND EXPLOSION HAZARD DATA		
Flash Point (T.O.C):	Not Applicable	
Flammable Limits (in air):	Not Applicable	
Extinguishing Media:	CO ₂ , Dry Chemical, Foam	
Special Fire Fighting Procedures:	Toxic fumes may be involved in a fire. Firemen should wear SCBA gear in enclosed areas.	
Unusual Fire and Explosion Hazards:	None known of.	
Auto-Ignition Temperature:	Not Applicable	
SECTION 5 - REACTIVITY DATA		
Stability:	Stable	
Conditions to Avoid:	Temperatures above 200 ⁰ F without adequate ventilation. Alkali metals and interhalogen compounds.	
Incompatibility:	None	
Thermal Degradation Products:	Thermal degradation is not significant at temperature achieved during proper installation, as directed by product installation guide. At higher temperatures, thermal degradation products may include, but not be limited to, hydrogen fluoride, perfluoro-olefins, carbon monoxide and oxides of nitrogen. In common with all polymeric materials, degradations products are likely to be toxic and should not be inhaled.	
Hazardous Polymerization:	Will not occur.	
SECTION 6 - HEALTH HAZARDS / ROUTE(S) OF ENTRY		
Note: Product under normal conditions does not represent an inhalation, ingestion or contact health hazard. However, soldering may release fumes and/or dust which present health hazards if TLV is exceeded.		
Primary Routes of Entry:	Skin, Inhalation	
Effects of Acute (severe short term) exposure:	Inhalation:	Thermal degradation and combustion byproducts may be toxic and should not be inhaled.
	Skin Contact:	This product is not expected to be a skin irritant.
	Eye Contact:	Contact with molten material may cause thermal burns.
	Ingestion:	In the unlikely event that exposure should occur, ingestion of excessive quantities of metals may cause anemia, sleep disturbances, weakness, irritation of the digestive tract.



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SECTION 6 - HEALTH HAZARDS / ROUTE(S) OF ENTRY cont.	
Effects of Chronic (prolonged) exposure:	Inorganic lead is a component of the solder in this product, and is listed by IARC as a suspect carcinogen. Lead is known to cause birth defects. Prolonged or repeated overexposure to lead may cause damage to the male and female reproductive system. Persons with pre-existing reproductive disorders may be more susceptible to the effects from lead exposure.
Medical Conditions Generally Aggravated by Exposure:	No significant emission of lead is expected during normal conditions of use. Overexposure to lead can result in serious health effects.
Carcinogenicity:	This product contains lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm. This warning is provided in accordance with the provisions of California Health & Safety Code 252496.6.
Signs and Symptoms of Exposure:	Headache, nausea, dizziness and drowsiness.
SECTION 7 - EMERGENCY FIRST AID	
Eye Contact:	If eye irritation occurs, flush affected eye(s) immediately with clean water for 15 minutes. Seek medical attention.
Skin Contact:	First aid is not normally required. After handling product, it is a good work practice to wash your hands. If molten material contacts skin, cool area immediately with water. DO NOT attempt to remove material from the skin. Treat as a burn and seek medical attention.
Inhalation:	If respiratory symptoms or other symptoms of exposure develop, move victim to fresh air. If symptoms persist, seek medical attention.
Ingestion:	Not a normal route of exposure. However, if swallowed and symptoms develop, seek medical attention.
SECTION 8 – PRECAUTIONS FOR SAFE HANDLING AND USE	
Steps to be Taken if Material is Spilled	Material is not in liquid form and cannot be spilled.
Waste Disposal Method:	Normal methods based on federal, state, and local regulations.
	EPA Hazardous Waste No: D008
	Hazard Class: 9, Miscellaneous
Empty Containers:	Not Applicable.
Precautions to be taken in handling and storage:	Store in a dry, cool space.
Hazardous Decomposition Products:	None.
Hazardous Polymerization:	Will not occur.
SECTION 9 - SPECIAL PROTECTION INFORMATION	
Respiratory Protection:	Not normally needed. Seek professional advice prior to respirator selection and use.



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Ventilation:	In accordance with good industrial hygiene practice, ensure adequate ventilation during use.
Protective Clothing/Equipment:	Use eyewear and impervious gloves to prevent contact, as appropriate to the given operator.
Hygienic Work Practices:	Do not eat, drink or smoke in the immediate work area. Wash hands before eating, drinking or smoking.
SECTION 10 – ADDITIONAL INFORMATION	
TSCA Status:	Ingredients in this product are reported in the EPA TSCA inventory, 1980.
Department of Transportation:	Hazardous Waste Solid, n.o.s., Class 9, NA3077, PGIII
SARA Status:	This Chemical is subject to the reporting requirements of Section 313, Title III.
California Proposition 65	This product contains levels of LEAD known to the State of California to cause cancer, birth defects or other reproductive harm.

This information is supplied in accordance with OSHA Hazard Communication Standard (29CFR1910.1200). Users are advised to ensure that this information is brought to the attention of the employees, agents, or contractors handling this product. Distributors of this product are advised to forward this document, or the information contained herein, to their purchasers. Winslow Automation makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use.

Users of Winslow Automation's products should make their own evaluation to determine the suitability of each product for specific application and to establish safe handling and installation procedures.