

Material Safety Data Sheet

Manufacturer Nihon Almit Co, Ltd
 Address Almit bldg., 2-14-2, Yayoi-cho
Nakano-ku, Tokyo, Japan
 Phone Number (For Information) 03-3379-2277
 Emergency Phone Number 042-559-5611 (Micro-soldering Lab)

ROSIN FLUX-CORED SOLDER
 Identity (Trade Name As Used On Label)
Almit KR-19SH RMA SJ-7 P-2
 MSDS Number -----
 CAS Number -----
 Date Prepared Oct-18, 2002

Prepared By Tadashi Sawamura

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-Chemical Name & Common Names (Hazardous Components 1% or greater: Carcinogens 0.1% or greater)	%	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)	CAS No.
Flux	2.2			8050-09-7
Tin	60.0	2	2	7440-31-5
Lead	Balance	0.05	0.05	7439-92-1
Silver	3.0	0.01	0.1	7440-22-4
Antimony	0.5	0.5	0.5	7440-36-0
Non Hazardous Ingredients				
TOTAL	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1)	8.4 (Solder)	Specific Gravity (H ₂ O=1)	1.16 (Flux)
Solidus	179°C	Melting Point	78°C (Flux)
Liquidus	187°C	Boiling Point	350°C (Flux)
Vapor Pressure (mmHg and Temperature)		Evaporation Rate (Butylacetate=1)	
Vapor Density (Air=1)	1.2 (Flux)	Water Reactive	None
Solubility in Water	insoluble		
Appearance and Odor	Gray metallic Wire with Rosin Core		

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used		Auto-Ignition Temperature	
Flammability Limits Air % by Volume	not measured	LEL	UEL
Extinguisher Media	NA		
Special Fire Fighting Procedures	NA		
Unusual Fire and Explosion Hazards	None		

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY	Conditions
<input checked="" type="checkbox"/> Stable	To Avoid
<input type="checkbox"/> Unstable	

Incompatibility
(Materials to Avoid) None

Hazardous

Decomposition Products None

HAZARDOUS POLYMERIZATION	Conditions
<input type="checkbox"/> May Occur	To Avoid
<input checked="" type="checkbox"/> Will Not Occur	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	<input checked="" type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion	CARCINOGEN	<input type="checkbox"/> NTP	<input type="checkbox"/> OSHA
	<input checked="" type="checkbox"/> Skin Absorption	<input type="checkbox"/> Not Hazardous	LISTED IN	<input type="checkbox"/> IARC Monograph	<input type="checkbox"/> Not Listed

HEALTH HAZARDS	Acute	None
	Chronic	None

Signs and Symptoms
of Exposure None

Medical Conditions

Generally Aggravated by Exposure None

EMERGENCY FIRST AID PROCEDURES

Eye Contact	Wash with water	follow a doctor's advice
Skin Contact	Wash with soap and water	follow a doctor's advice
Inhalation	take rest in fresh air	follow a doctor's advice
Ingestion	vomit out	follow a doctor's advice

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection
(Specify Type)

Protective Gloves gloves Eye Protection spectacles

VENTILATION TO BE USED	<input checked="" type="checkbox"/> Local Exhaust Necessary	<input type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special
	<input type="checkbox"/> Other (specify) None		

Other Protective

Clothing and Equipment None

Hygienic Work

Practices Wear gloves when handling. Wash hands after working.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material
is Spilled Or Released Never occurs in case of rosin flux wire solder.

Waste Disposal

Methods Consult your local or state regulations authority.

Precautions to be Taken

in Handling and Storage Keep in dark and cool place.

Other Precautions and/or Special Hazards None

NFPA

Rating* Health 3 Flammability 0 Reactivity 0 Special

HMIS

Rating* Health 1 Flammability 0 Reactivity 0 Personal Protection

*Optional