

**Material Safety Data Sheet**  
 May be used to comply with  
 OSHA's Hazard Communication Standard  
 29 CFR 1910.1200 Standard must be  
 consulted for specific requirements

U.S. Department of Labor  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)

000207



**IDENTITY** (As Used on Label and List)  
 DC-313Z/DC-313ZD/DC-513Z Drums  
 DC-4055, DC-4085, DC-5055  
 Section I

*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.*

Manufacturer's Name <b>Fuji Electric Co., Ltd.</b>	Emergency Telephone Number <b>0263-25-7111 (Japan)</b>
Address (Number, Street, City, State and Zip Code) <b>Tsukama 2666, Matsumoto</b>	Telephone Number for Information <b>0263-25-7111 (Japan)</b>
<b>Nagano, Japan</b>	Date Prepared <b>November 15, 1986</b>
	Signature of Preparer (Optional)

**Section II - Hazardous Ingredients / Identity Information**

Hazardous Components (Specific Chemical Identity, Common Names)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
<b>Aluminum</b>				<b>MORE THAN 80%</b>
<b>Selenium Arsenic</b>				<b>LESS THAN 10%</b>

**THIS PRODUCT IS NOT CONSIDERED A HAZARDOUS MATERIAL IN NORMAL USE WITH THE U.S. DEPARTMENT OF LABOR, REGULATION CFR -1915, 1916, 1917.**

**Section III - Physical / Chemical Characteristics**

Boiling Point	<b>1625<sup>o</sup>F</b> <b>-1756<sup>o</sup>F</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>4.8</b> <b>5.8</b>
Vapor Pressure (mm Hg)	<b>10-6</b>	Melting Point	<b>Negligible</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>None</b>
Solubility in Water	<b>None</b>		
Appearance and Odor	<b>BLACK AND ODORLESS</b>		

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) <b>NONE (TCC)</b>	Flammable Limits <b>N/A</b>	LEL	UEL
Extinguishing Media <b>USE CO<sub>2</sub>, FOAM OR DRY CHEMICAL FIRE FIGHTING APPARATUS.</b>			
Special Fire-Fighting Procedures <b>AVOID WATER. IF FLAMES HAVE REACHED THE PRODUCT CAUSING POSSIBLE DECOMPOSITION YIELDING TOXIC COMPOUND, USE SELF-CONTAINED BREATHING UNIT.</b>			
Unusual Fire and Explosion Hazards <b>SAME AS ABOVE.</b>			

**Section V - Reactivity Data**

Stationary	Unstable		Conditions to Avoid
	Stable	X	AVOID HEATING ABOVE 615°C.

Incompatibility (Materials to Avoid)  
**AVOID ALL TYPES OF ACIDS AND OXIDIZING AGENTS.**

Hazardous Decomposition or Byproducts  
**ARSENIC TRIOXIDE As<sub>2</sub>O<sub>3</sub>**

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI - Health and Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
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Health Hazards (Acute and Chronic)

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
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**NEGATIVE**

Signs and Symptoms of Exposure  
**NONE IN NORMAL HANDLING AND USE.**

Medical Conditions  
 Generally Aggravated by Exposure

**NONE**

Emergency and First-Aid Procedures  
**NONE**

**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

**COLLECT AND RETURN CONTAINER.**

Waste Disposal Method  
**RETURN TO FACILITIES FOR PROPER DISPOSAL.**

Precautions to Be Taken in Handling and Storing  
**STORE IN A COOL DRY PLACE. KEEP CONTAINER CLOSED.**

Other Precautions  
**NONE**

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)		N/A	
Ventilation	Local Exhaust	N/A	Special N/A
	Mechanical (General)	N/A	Other N/A
Protective Gloves	Unnecessary		Eye Protection UNNECESSARY
Other Protective Clothing or Equipment		UNNECESSARY	
Work / Hygienic Practices		NONE	