

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CLT-R409

Manufacturer

Name: Fuji Electric Device Technology Co., Ltd.

Address: 4-18-1 Tsukama Matsumoto Nagano 390-0821 Japan

Telephone Number: +81-263-27-4935

2. COMPOSITION / INFORMATION ON INGREDIENTS]

Chemical Name	wt%	CAS No	OSHA PEL	ACGIH TLV
Aluminum	99.1wt%	7429-90-5	15mg/m ³ *	10mg/m ³ (TWA)*
Titanium Dioxide	< 1.0wt%	13463-67-7	15mg/m ³ *	10mg/m ³ (TWA)
Phthalocyanine compound	< 0.5wt%	-	-	-
Aromatic amine compound	< 1.0wt%	-	-	-
Polycarbonate resin	< 1.0wt%	-	-	-
Silicon oil	< 0.1wt%	-	-	-

* Listed not as aluminum tube but as aluminum dust

3. HAZARDS IDENTIFICATION]

Physical and Chemical Hazard : No significant hazards associated with this product
 Potential Health Effects : No significant hazards associated with this product
 Environmental Effects : No significant hazards associated with this product

4. FIRST-AID MEASURES

First Aid Measures

Ingestion : Not applicable under normal use
 Inhalation : Not applicable under normal use
 Eye contact : Not applicable under normal use
 Skin contact : Not applicable under normal use

5. FIRE-FIGHTING MEASURES

Extinguish Media : CO₂, Dry chemicals

Special Fire Fighting Procedures:

Use self contained breathing apparatus and full protection against dust and fumes in case that a large quantity of drums produces fumes or vapors at a high temperature.

Unusual Fire and Explosion Hazards: None under normal storage and use conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	: No special precaution
Environmental Precautions	: No special precaution
Method for Cleaning Up	: No special precaution

7. HANDLING AND STORAGE

Handling	: No special precaution concerning safety
Storage	: To keep the function of the drum, store in moderately cool, dark and dry place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	: None
Engineering Controls	: Not required under normal use
Personal Protection Equipment(s)	
Respiratory Protection	: Not required under normal use
Eye/Face Protection	: Not required under normal use
Skin Protection	: Not required under normal use

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Green cylinder
Odor	: No odor
pH	: Not applicable
Boiling Point	: No data available
Melting Point	: No data available
Decomposition Temperature	: No data available
Flash point	: No data available
Flammable (explosive) Limits	: Not applicable
Autoignition Temperature	: No data available
Flammability	: Not applicable
Explosive Properties	: Not applicable
Oxidizing Properties	: Not applicable
Vapor pressure	: Not applicable
Vapor density	: Not applicable
Density/Specific Gravity	: 2.7(H ₂ O=1)
Water Solubility	: Negligible
Fat Solubility	: No data available
Partition Coefficient (n-Octanol/Water)	: No data available
Percent Volatile	: No data available
Evaporation Rate	: No data available

10. REACTIVITY AND STABILITY

Stability	: Stable
Conditions to avoid	: No data available
Materials to Avoid	: Strong oxidizing agents and organic solvents
Hazardous Decomposition Products	: None under normal use
Hazardous Polymerization	: Will not occur
Conditions to avoid	: No data available

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	: No data available
Acute Dermal Toxicity	: No data available
Acute Inhalation toxicity	: No data available
Acute eye irritation	: No data available
Acute skin irritation	: No data available
Skin sensitization	: No data available
Mutagenecity	: Negative in Ames Test (coating material)
Reproductive Toxicity	: No reproductive toxicity according to MAK, Proposition 65, TRGS 905 and EU directive.
Carcinogenecity	: No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, ILO, MAK, Proposition 65, TRGS 905 and EU Directive.
Others	: None

12. ECOLOGICAL INFORMATION

Mobility	: No data available
Persistence Degradability	: No data available
Bioaccumulation	: No data available
Ecotoxicity	: No data available
Other Adverse Effect	: No data available

13. DISPOSAL CONSIDERATIONS

Method of Disposal	: OPC drum may be disposed as the waste aluminum in accordance with local, state and federal regulations.
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14. TRANSPORTATION INFORMATION

UN No.	: None
UN Shipping Name	: None
Un Classification	: None
UN Packing Group	: None
Special Precaution	: None

15. REGULATORY INFORMATION

Label information according to the Directives 1999/45/EC and 67/548/EEC (EU)	
Symbol and Indication	: Not required
R-Phrase	: Not required
S-Phrase	: Not required
Dangerous Component(s)	: None
Other	: None

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.

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