

1. PRODUCT AND COMPANY IDENTIFICATION

- A) Product: Toner Cyan, Magenta, Yellow, Black
 B) Recommended use of the chemical and restrictions on use
 ○ Recommended use:
 ○ Restrictions on use: None
 C) Manufacturer/Supplier/Distributor Information
 ○ Name: Samsung Fine Chemicals Co., Ltd
 ○ Address: 190 Yeochun-dong, Nam-gu, Ulsan, Republic of Korea
 ○ Emergency or information contact, Responsible department
 Tel: 052-270-6853
 Fax:

2. HAZARDS IDENTIFICATION

- A) Physical and Chemical Hazard: No significant hazards associated with this product
 B) Potential Health Effects: No significant hazards associated with this product
 C) Environmental Effects: No significant hazards associated with this product

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	wt%	CAS No.	OSHA PEL	ACGIH TLV
Aluminum	98.5wt%	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	<0.1wt%	-	-	-
Aromatic amine Compound	<1.0wt%	-	-	-
Polycarbonate resin	<2.0wt%	-	-	-
Silicon oil	<0.1wt%	-	-	-

*Listed not as aluminum tube but as aluminum dust

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

- A) Extinguish Media : CO₂, Dry chemicals
 B) 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.
 C) Unusual Fire and Explosion Hazards : None under normal storage and use conditions.

6. ACCIDENTAL RELEASE MEASURES

A) Personal Precautions:	No special precaution
B) Environmental Precautions:	No special precaution
C) Method for Cleaning Up:	No special precaution

7. HANDLING AND STORAGE

A) Handling:	no special precaution concerning safety
B) Storage:	To keep the function of the drum, store in moderately cool, dark and dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

A) Exposure Guidelines:	None
B) Engineering Controls:	Not required under normal use
C) 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

A) Appearance :	Green cylinder
B) Odor:	No odor
C) pH:	Not applicable
D) Boiling Point:	No data available
E) Melting Point:	No data available
F) Decomposition Temperature:	No data available
G) Flash point:	No data available
H) Flammable (explosive) Limits:	Not applicable
I) Auto ignition Temperature:	No data available
J) Flammability:	Not applicable
K) Explosive Properties:	Not applicable
L) Oxidizing Properties:	Not applicable
M) Vapor pressure:	Not applicable
N) Vapor density:	Not applicable
O) Density/Specific Gravity:	2.7(H ₂ O=1)
P) Water Solubility:	Negligible
Q) Fat Solubility:	No data available
R) Partition Coefficient(n-Octanol/Water):	No data available
S) Percent Volatile:	No data available
T) Evaporation Rate:	No data available

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

A) Acute Oral Toxicity:	No data available
B) Acute Dermal Toxicity:	No data available
C) Acute Inhalation toxicity:	No data available
D) Acute eye irritation:	No data available
E) Acute skin irritation:	No data available
F) Skin sensitization:	No data available
G) Mutagenecity:	Negative in Ames Test(coating material)
H) Reproductive Toxicity:	No reproductive Toxicity according to MAK, Proposition 65, TRGS 905 and EU directive.
I) Carcinogenicity:	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.
J) Others:	None

12. ECOLOGICAL INFORMATION

Mobility:	No data available
Persistence Degradability:	No data available
Bioaccumulation:	No data available
Eco toxicity:	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.

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/s5/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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