

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product & Company Identification:

MSDS#

Item#/Description MGI TONER
for use in printer

Manufacture' Name

IMEX CO., LTD

Address

1630-8 Mitsutakatsu
Okayama 709-2124 Japan

Emergency Phone Number 8:30~17:00

+81-867-24-4402

Telephone Number

+81-867-24-4402

e-mail address

asano@imex-net.co.jp

Date Prepared

Dec. 5, 2008

Date Revised

Mar. 26, 2009

Section 2. Hazard identification:

Primary routes of Entry : Inhalation of dust, skin contact.

Hazardous property : None

Environmental impact : None

GHS : N/A

Signs and Symptoms of Exposure : Irritation of eyes and respiratory tract may occur in heavy dust conditions.

Medical Conditions Generally Aggravated by Exposure : None known

Section 3. Composition/Information on ingredients:

Ingredients	Percent(%)	CAS Number	REACH Registered Number	ACGIH TLV
Styrene Acrylate Copolymer	45-60	Registered	Pre-registered	N/A
Magnetite	40-50	1317-61-9	Pre-registered	N/A
Ethylene Propylene Copolymer	1-5	Registered	Pre-registered	N/A
Ester Wax	1-5	Registered	Pre-registered	N/A
Metal-Complex Dye	0.1-1	Registered	Registered	N/A
Silica	0.1-3	Registered	Pre-registered	N/A

Section 4. First Aid Measures:

Immediate medical procedures

None

First Aid: Eyes

Flush with water. If irritation persists, get medical attention.

First Aid: Skin

Wash thoroughly with soap and water.

First Aid: Inhalation

Remove from exposure. Gargle with water.

First Aid: Ingestion

Dilute stomach contents with several glasses of water.

First Aid: Additional Info

None.

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Section 5. Fire-fighting measures:

Suitable Extinguishing Media Water Fog, Foam, Dry Chemical, Co₂

Unsuitable Extinguishing Media for safety reasons None

Special Fire Fighting Procedures Avoid inhalation of smoke. Wear MSHA/NIOSH self contained breathing apparatus. Cool fire exposed containers with water spray.

Unusual Fire and Explosion Hazards Like many finely divided materials, toner dust, in high concentrations can form an explosive mixture in air.

NFPA Rating Health Hazard 0 Flammability 1 Instability 0 Sprcial Hazards N/A

Section 6. Accidental Release Measures:

Precaution for human : When working, the protection tool such as the antidust masks is used if necessary.

Precaution for environment : The leakage to a sewer or a river is prevented.

Prevention of second disaster : Take up avoiding formation of dust.

Methods for cleaning up : Vacuum or sweep up as with any non-toxic powder, when spilling it.

Section 7. Handling and Storage

Handling Eye protection and respirators may be required for bulk handling.

Storage Store in a cool, dry location.

Other Please do not use for application other than printer.

Section 8. Exposure Controls/Personal Protection:

Exposure limit values ACGHI : Respirable dust 3mg/m³
Total dust 10mg/m³

Ventilation Local exhaust ventilation recommended.

Respiratory Protection You should use a dust musk.

Protective Gloves You should use vinyl gloves.

Eye Protection You should use a security goggle.

Skin Protection You should wear a protective cloth.

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Section 9. Physical & Chemical Information:

Description	Appearance: Powder Color: Black Odor: Faint odor pH: N/A		
Melting Point	110°C<	Specific Gravity	1.3-1.8
Boiling Point	N/A	Solubility in Water	Insoluble
Flash Point	N/A	Spontaneous ignition temperature	N/A
Explosive Limits	LEL: N/A, UEL: N/A	Evaporation Rate	N/A
Vapor Pressure	N/A	Oxidation nature	N/A
Vapor Density(Air=1)	N/A	Viscosity	N/A
Octanol-water partition coefficient	N/A		

Section 10. Stability and Reactivity:

Stability	Stable	Conditions to Avoid	None
Hazardous Decomposition	None	Materials to Avoid	None

Section 11. Toxicology Information:

Irritation Eye : Not classified as irritant, according to Directive 67/548/EEC.(data from similar toner)
Skin : Not classified as irritant, according to Directive 67/548/EEC.(data from similar toner)
Reproductive toxicity : No data
Skin sensitization : Not classified as a skin sensitizer, according to Directive 67/548/EEC
(data from similar toner)
Inhalation toxicity : LC₅₀ ; inh-rat>5.19mg/L/4 hours, (data from similar toner) ,not harmful.
Oral toxicity : LD₅₀>2500mg/kg body weight, not harmful.(data from similar toner)
Aspiration hazard : No data
Carcinogenicity : NTP → No
IARC → No
OSHA → No
TRGS 905 → No
Mutagenicity : Ames test Negative (According to the test result of similar composition)

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Section 12. Ecological Information:

Ecotoxicity : IC₅₀(for algae 72h)/Pseudokirchneriella subcapitata: IC₅₀>100mg/L
Mobility : No Data
Persistence and degradability : No Data
Bioaccumulative potential : No Data
Results of PBT assessment : No Data
Other adverse effects : None

Section 13. Waste Disposal Considerations:

Dispose according to federal, state and local regulation.

Section 14. Transportation Information:

UN Number: N/A
UN Shipping Name: N/A
UN Classification: N/A
UN Packing Group: N/A
Marine Pollutant: N/A
Special Precautions: The container is sealed up.
Keep dry.

Section 15. Regulatory Information:

•All components are listed on TSCA Inventory (USA) and METI list (Japan).
•Labelling according to EU Directive 67/548/EEC
R & S Phrases : Not required
Hazard symbol : Not required

Section 16. Other Information

According to Directive 91/155/EEC and REACH Annex II.
Revision History : The MSDS was changed to be compliant with REACH.