

MATERIAL SAFETY DATA SHEET

Page# 1

Section 1. Chemical Product & Company Identification

MSDS#

Item#/Description **HF-056M TONER**

Manufacture' Name

IMEX CO., LTD

Address

1630-8 Takatsu**Mitsu-cho Mitsu-gun****Okayama-Pref. 709-2124 Japan**

Emergency Phone Number

0463-23-0591

Telephone Phone Number

0867-24-4402

Date Prepared

Jun. 26,2000

Date Revised

May. 26, 2003

Section 2. Composition/Information on ingredients:

Ingredients	Percent(%)	CAS Number	OSHA PEL	ACGIH TLV
Stylene Acrylate Copolymer	43-53	25036-16-2	N/A	N/A
Magnetite	40-50	1317-61-9	N/A	N/A
Ethylene Propylene Copolymer	0.5-5	9010-79-1	N/A	N/A
Metal-Complex Dye	0.1-3	104815-18-1	N/A	N/A
NO HAZARDOUS MATERIALS PRESENT				

Section 3. Health Hazard Information:

Routes of Entry **Not expected if use as intended. See Below.**Eyes **Yes**Skin **Yes**Inhalation **Yes**Ingestion **Yes**Chronic Health
Hazard Comments**None known health hazard when used as inteneded in a copier/printer machine.**

Carcinogenicity

NoNTP? **No**IARC Monographs? **No**OSHA Regulated? **No**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**

MATERIAL SAFETY DATA SHEET

Page# 2

Item #/Description HF-056M TONER

Section 4. Emergency and First Aid Procedures

Remove from exposure.

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.

Section 5. Fire and Explosion Hazard Information:

Explosive Limits LEL: N/A, UEL: N/A

Flash Point
(Method Used) N/A

Comments N/A

Extinguishing Media Water Fog, Foam, Dry Chemical, CO₂

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

Unusual Fire Explosion Hazards This material has no unusual fire or explosion hazards.

Section 6. Accidental Release Measures:

Take up avoiding formation of dust.

Section 7. Safe Handling and Storage

Handling Vacuum or sweep up as with any non-toxic powder.

Fire & Explosion Prevention Do not store next to strong oxidizers. Store in a cool, dry location. Eye protection and respirators may be required for bulk handling.

Storage Avoid excessive exposure to heat.

MATERIAL SAFETY DATA SHEET

Page# 3

Item#/Description

HF-056M TONER

Section 8. Control/Personal Protection Information:

Respiratory
Protection

None required when product is used as intended.

Ventilation:

Local Exhaust

Office conditions.

Mechanical

Normal office conditions.

Special

None.

Other

None.

Protective Gloves

None required when product is used as intended.

Eye Protection

None required when product is used as intended.

Other Protective
Clothing Equipment

None required when product is used as intended.

Work and Hygienic
Practices

Avoid breathing dust if sample is spilled.

Section 9. Physical & Chemical Information:

Boiling Point

N/A

Specific Gravity

1.3-1.8

Vapor Pressure

N/A

Vapor Density(Air=1)

N/A

Melting Point

>110°C

Evaporation Rate

N/A

Solubility in Water

Insoluble

Appearance and Odor

Black Powder, Faint Odor

Section 10. Reactivity Information:

Stability

Stable

Conditions to Avoid

N/A

Incompatibility

None with common materials
with which the product may
reasonably come into contact.

Hazardous

Decomposition

Byproducts

None

Hazardous

Polymerization

Will not occur

Station 11. Toxicology Information:

Acidity eye : None

skin : None

Corrosion : None

Sensitizing property : None

Acute toxicity : None

Subacute : None

Chronic toxicity : None

Carcinogenicity : None

Mutagenicity : Ames test Negative

MATERIAL SAFETY DATA SHEET

Page# 4

Item#/Description HF-056M TONER

Section 12. Ecological Information:

Degradable : None
Accumulation : None
Ecotoxicity : None

Section 13. Waste Disposal Method:

Dispose according to federal, state and local regulation.

Section 14. Transportation Information:

The container is sealed up.
Not dangerous cargo.
Keep dry.

Section 15. Regulatory Information:

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

Section 16. Other Information

None.

MATERIAL SAFETY DATA SHEET

Page# 1

Section 1. Chemical Product & Company Identification

MSDS #

Item#/Description **HFA 05 TONER**

Manufacture Name

IMEX AMERICA CORP.

Address

**3560 Fairview Industrial Drive SE
Salem Oregon 97302, USA**

Emergency Phone Number

+1-503-391-1500

Telephone Phone Number

+1-503-391-1500

Date Prepared

May. 16, 2005

Date Revised

May. 16, 2005**Section 2. Composition/Information on ingredients:**

Ingredients	Percent(%)	CAS Number	OSHA PEL	ACGIH TLV
Saturated Polyester Resin	40-55	119681-36-6	N/A	N/A
Magnetite	35-55	1317-61-9	N/A	N/A
Wax	0.5-5	8016-60-2	N/A	N/A
Metal-Complex Dye	0.1-3	104815-18-1	N/A	N/A
NO HAZARDOUS MATERIALS PRESENT				

Section 3. Health Hazard Information:Routes of Entry **Not expected if use as intended. See Below.**Eyes **May cause irritation.**Skin **Not an irritant.**Inhalation **Inhalation of toner could cause respiratory irritation, but considered a low hazard.**Ingestion **May cause irritation of the mucous membranes or digestive tract.**Chronic Health
Hazard Comments **None known health hazard when used as inteneded in a copier/printer machine.**

Carcinogenicity

NTP?

No

IARC?

No

OSHA?

No

TRGS 905

NoSigns and Symptoms
of Exposure **Irritation of eyes and respiratory tract may occur in heavy dust conditions.**Medical Conditions
Generally Aggravated
by Exposure **Not known**

MATERIAL SAFETY DATA SHEET

Page# 2

Item #/Description HFA TONER

Section 4. Emergency and First Aid Procedures

Remove from exposure.

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. If symptoms occur consult a physician.

First Aid: Ingestion Dilute stomach contents with several glasses of water. If symptoms occur consult a physician.

First Aid: Additional Info None.

Section 5. Fire and Explosion Hazard Information:

Explosive Limits LEL N/A, UEL N/A

Flash Point
(Method Used)

N/A

Autoignition
Temperature(°C) N/AExtinguishing
Media Water Fog, Foam, Dry Chemical, CO₂Special Fire
Fighting Procedures Avoid inhalation of smoke. Wear MSHA/NIOSH self contained breathing apparatus. Cool fire exposed containers with water spray.Unusual Fire
Explosion Hazards This material has no unusual fire or explosion hazards.Hazardous Combustion
Products Combustion will produce carbon dioxide and possibly toxic chemicals such as carbon monoxide.

NFPA Rating

Health 0

Flammability 1

Reactivity 0

Special Notice

Section 6. Accidental Release Measures:

Personal Precautions : Wear personal protective equipment. Avoid breathing dust. Minimize the release of particles.

Procedures to be Followed in Case of Leak or Spill : Vacuum or sweep the material into a bag or other sealed container. If a vacuum cleaner is used, the motor must be rated as dust tight. Dispose of waste toner in accordance with local requirements.

Environmental Precautions : Do not discharge into drains.

Section 7. Safe Handling and Storage

Handling Eye protection and respirators may be required for bulk handling

Storage Store in a cool, dry place. Do not store next to strong oxidizers. Avoid excessive exposure to heat.

MATERIAL SAFETY DATA SHEET

Page# 3

Item#/Description

HFA TONER

Section 8. Control/Personal Protection Information:

Respiratory
Protection

None required when product is used as intended.

Ventilation:

Local Exhaust

Office conditions.

Mechanical

Normal office conditions.

Special

None other

Other

None.

Protective Gloves

None required when product is used as intended.

Eye Protection

None required when product is used as intended.

Other Protective

Clothing Equipment

None required when product is used as intended.

Work and Hygienic

Practices

Avoid breathing dust if sample is spilled.

Section 9. Physical & Chemical Information:

Boiling Point

N/A

Specific Gravity

1.3-1.8

Vapor Pressure

N/A

Vapor Density(Air=1)

N/A

Melting Point

>110°C

Evaporation Rate

N/A

Solubility in Water

Insoluble

Appearance and Odor

Black Powder, Faint Odor

Section 10. Reactivity Information:

Stability

Stable

Conditions to Avoid

Do not put the toner in direct
sunlight.

Incompatibility

Strong oxidizers.

Hazardous

Decomposition

Byproducts

N/A

Hazardous

Polymerization

Will not occur

Station 11. Toxicology Information: Generally Aggravated

Acridity

Eye : None

skin : None

Corrosion

: None

Sensitizing property

: None

Acute toxicity

: None

Subacute

: None

Chronic toxicity

: None

Carcinogenicity

: None

Mutagenicity

: Ames test negative

Ingestion : Not toxic

Chronic Toxicity : No data available

Exposure Limits : Not known

Inhalation : None

Primary Routes of Exposure :

Inhalation of dust, skin contact

Ingredients affecting carcinogenic, mutagenic or toxic :
This toner does not contain any 1-nitropyrene,
benzo[a]pyrene, azodyes or pigments that can
release carcinogenic amines.

MATERIAL SAFETY DATA SHEET

Page# 4

Item#/Description HFA TONER

Section 12. Ecological Information:

Degradable : None
Accumulation : None
Ecotoxicity : None

Section 13. Waste Disposal Method:

Dispose according to federal, state and local regulation.

Section 14. Transportation Information:

UN/ID Number : None
Proper Shipping Name : None
Hazard Class : None
Packing Group : None
Special Provisions : None

Section 15. Regulatory Information:

Labelling according to EU Directive 67/548/EEC :
R & S Phrases : Not required
Hazard symbol : Not required
TSCA (USA) : All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory, have been registered, or are exempt.
SARA/EPCRA (USA) : Does not contain any components.
California Proposition 65 : Does not contain any components.
DSL/NDSL (Canada) : Yes.
EINECS/ELINCS (Europe) : Yes.
ENCS (Japan) : Yes.
AICS (Australia) : Yes.
ECL (Korea) : Yes.
ECSC (China) : Under investigation
PICCS (Philippines) : Under investigation
WHMIS Hazard Class (Canada) : Not WHMIS Control - manufactured article

Section 16. Other Information

None.