

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product & Company Identification

MSDS #

Item#/Description

TMC BLACK TONER

Manufacture Name

IMEX CO., LTD

Address

1630-8 Mitsutakatsu

Okayama 709-2124, Japan

Emergency Phone Number

+81-463-23-0591

Telephone Phone Number

+81-867-24-4402

Date Prepared

Oct. 5, 2005

Date Revised

Section 2. Composition/Information on ingredients:

Ingredients	Percent(%)	CAS Number	OSHA PEL	ACGIH TLV
Saturated Polyester Resin	80-95	186397-54-6	N/A	N/A
Carbon Black	2-8	1333-86-4	N/A	N/A
Metal-Complex Dye	0.5-2	42405-40-3	N/A	N/A
Polypropylene Wax	0.5-5	9003-07-0	N/A	N/A
		25722-45-6	N/A	N/A
Silica	0.5-4	68909-20-6	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 intended in a copier/printer machine.

Carcinogenicity

NTP? No

IARC ? No

OSHA? No

TRGS 905 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

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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

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.

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.

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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

0.9-1.4

Vapor Pressure

N/A

Vapor Density(Air=1)

N/A

Melting Point

100°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:

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.

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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 : R52/53

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) : Yes.

•WHMIS Hazard Class(Canada) : Not WHMIS Control - manufactured article

Section 16. Other Information

None.