

DATE REVISED :
DATE PREPARED :

MATERIAL SAFETY DATA SHEET (1/4)

PRODUCT NAME: Sample Toner

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sample Toner

MANUFACTURE'S NAME

Tomoegawa Paper Co., Ltd.
5-15, Kyobashi 1-chome, Chuo-ku, Tokyo 104-8335, Japan
Tel: +81-3-3272-4118
Fax: +81-3-3281-6820

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Proportion (% by wt.)	OSHA PEL	ACGIH TLV	Other Limits
Iron oxide	1317-61-9	> 49.0	Not listed	Not listed	None
Binder resin	Trade Secret	< 45.0	Not listed	Not listed	None
Wax	Trade Secret	< 4.0	Not listed	Not listed	None
Organic pigment*	Trade Secret	< 2.0	Not listed	Not listed	None

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Odorless black fine powder.

Not a highly flammable, but when suspended in air, is combustible as with most organic powders.

POTENTIAL HEALTH EFFECTS

EYES: Solid or dusts may cause irritation or corneal injury.

SKIN CONTACT: Essentially nonirritating to skin.

SKIN ABSORPTION: Skin absorption is unlikely due to physical properties.

INGESTION: Oral toxicity is believed to be low.

INHALATION: Minimal irritation to respiratory track may occur.

FIRE AND EXPLOSION

SENSITIVITY TO MECHANICAL IMPACT: None

SENSITIVITY TO STATIC CHARGE: None

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4. FIRST AID MEASURES

EYES: Flush eyes immediately with plenty of water for at least 15 minutes.

SKIN: Flush with plenty of water. Use soap.

INGESTION: No adverse effects anticipated by this route of exposure incidental to proper handling.

INHALATION: Remove to fresh air. If effects occur, consult medical personnel.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: No data available

FLAMMABLE LIMITS

LEL: No data available

UEL: No data available

EXTINGUISHING MEDIA: Water fog, foam, CO₂, dry chemical.

FIRE-FIGHTING EQUIPMENT: Wear full bunker gear including a positive pressure self-contained breathing apparatus in case of burning in large quantities.

6. ACCIDENTAL RELEASE MEASURES

Minimize the release of particulates. Wear personal protective equipment.

Do not use vacuum cleaner.

t After by lightly spraying with water to prevent development of dust, spills should be swept

up or wiped up. Then residuals can be removed with soap and water. Preferred to use the material in a place, covering up the floor and surrounding matters with suitable sheets such as paper, in a case of being not fit to scrub the floor with water. These used sheets should be wrapped up in spills and transfer into a suitable container for disposal.

Garments may be washed or dry cleaned, after removal of loose toner.

7. HANDLING AND STORAGE

Avoid creating dust. Clean up all spills promptly.

Inhalation and contact with skin or eyes should be avoided.

Provide general ventilation. Good general ventilation should be sufficient for most conditions.

Store in a cool, well ventilated place away from flames and spark-producing equipment.

May toners be preferred to use or to handle at the suitable place without concerning about smudges to which are given rise by releasing them.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

OSHA PEL:TWA 5.0mg/m³(Inert of Nuisance Dust : Respirable fraction)
15.0mg/m³(Inert of Nuisance Dust : Total dust)

ACGIH TLV:TWA(2003)

3.0mg/m³(Particulates Not Otherwise Classified : Respirable Particle Mass)
10.0mg/m³(Particulates Not Otherwise Classified : Inhalable Particle Mass)

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved dust respirator.

SKIN PROTECTION: No precautions should be needed under normal use.

EYE PROTECTION: No precautions should be needed under normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black fine powder

ODOR: None

BOILING POINT: N.A. (not applicable)

VAP PRESS: N.A.

VAP DENSITY: N.A.

SOL IN WATER: Negligible

SP. GRAVITY: ca. 3.30

MELTING POINT: N.A.

pH: N.A.

% VOLATILE: N.A.

10. STABILITY AND REACTIVITY

STABILITY: This is a stable product.

INCOMPATIBILITY: (SPECIAL MATERIALS TO AVOID) Oxidizing materials

HAZARDOUS DECOMPOSITION PRODUCTS: CO or NO_x (by high heat and fire)

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Mutagenicity: Negative (Estimated from the data of constituent components.)

CARCINOGENICITY: No data available

CHRONIC EFFECTS: No data available

12. ECOLOGICAL INFORMATION

None

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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with country and local environmental control regulations.

14. TRANSPORT INFORMATION

TRANSPORT INFORMATION: This is not a hazardous product.
UN No.: None allocated.

15. REGULATORY INFORMATION

TSCA: All chemical substances in this product comply with all applicable rules or orders under TSCA.

16. OTHER INFORMATION

NFPA Rating: Health = 1 Flammability = 1 Reactivity = 0

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product described in terms of the legal warranty.
