



Product safety data sheet

according to Regulation (EC) No. 453/2010
Date of issue: 02-03-2011

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Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Chemical type : Mixture
Trade name : Toner , packed in HDPE bottles or LDPE bags
Product code : P4TN10120

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Product is suitable only for intended use in laser printer cartridges as a substance in electro photographic imaging processes

1.2.2. Uses advised against

All other means of using the product not according to the intended use as stated in 1.2.1.

1.3. Details of the supplier of the safety data sheet

Goat Labs B.V.
Bijsterhuizen 20-18
6604LJ Wijchen - Nederland
T +31 (0)24 388 22 33 - F +31 (0)24 355 73 73
info@goat-labs.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0870 600 6266 (UK only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Product: CLP classification not requested

2.1.2. Classification according to Directive 67/548/EEC or 1999/45/EC

Product is classified as being not harmful according to the 67/548/EEC regulation

2.1.3. Adverse physicochemical, human health and environmental effects

See section 8.2 and 12

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Mixture: CLP classification not requested

2.2.2. Labelling according to Directive 67/548/EEC or 1999/45/EC

No specific labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : When opening the bottle or bag or handling the powder in an inappropriate manner, dust may cause irritation to the respiratory tract. Dust from this product may cause eye irritation.
Therefore precautionary means of protection as stated in section 6.1.1 are advised.

SECTION 3: Composition/information on ingredients

3.1. Substances

Plastic resins, magnetic substances, metal substances, flowing agent

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Take victim to a doctor if irritation persists. Never give anything orally to an unconscious person.
First-aid measures after inhalation : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact : Wash with water and soap. If irritation persists, seek medical attention
First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Contact lenses should be removed. Take victim to an ophthalmologist if irritation persists. Keep eye wide open while rinsing.
First-aid measures after ingestion : Rinse mouth out with water. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : AFTER INHALATION OF DUST: Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Hazardous decomposition products may be released during prolonged heating like fumes, carbon monoxide and dioxide, nitrogen oxides (NO_x).
Toner is capable of forming a dust-explosion, prevent the combination of dust and sparks.

5.3. Advice for firefighters

Protection during firefighting : In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Provide adequate ventilation to minimize dust concentrations.
Emergency procedures : Avoid creating or spreading dust. Avoid all eyes and skin contact and do not breathe vapour and particles. Remove all possible sources of ignition.

6.2. Environmental precautions

Avoid release to the environment. If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up immediately by sweeping or vacuum.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : The product may charge electrostatically: use earthing leads when transferring from one container to another. Must not come into contact with food or be consumed.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.
Storage conditions : Keep container tightly closed and in well ventilated place. Avoid creating or spreading dust. Remove all sources of ignition. Keep dry.
Storage temperature : < 35 °C
Prohibitions on mixed storage : Keep away from: oxidants, strong acids and strong bases.
Storage area : Store in a dry area. Keep container in a well-ventilated place. Provide the tank with earthing. Meet the legal requirements.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

European Union	IOELV 8 hour TWA (mg/m ³)	4 mg/m ³
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8.2. Exposure controls

Personal protective equipment : In case of dust production: protective goggles. Dust production: dust mask with filter type P2.



Hand protection : None under normal conditions. In case of repeated or prolonged contact wear gloves.
Eye protection : None under normal use. Avoid contact with eyes.
Skin and body protection : Avoid prolonged or repeated contact with skin.
Thermal hazard protection : Dust and/or fine particles, minimize inhalation exposure.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Black.
Odour	: Slight odour.
Odour threshold	: not applicable not applicable
pH	: No data available
Melting point	: 100- 200 °C
Solidification point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relat. evapor. rate comp. to butylacetate	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: Solid, not applicable
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative gas density	: not applicable
Solubility in water	: Negligible.
Log Pow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: > 200 °C
Viscosity	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal temperature conditions and intended use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

See section 7.2 storage conditions

10.5. Incompatible materials

Oxidizing materials.

10.6. Hazardous decomposition products

CO and CO₂ and other decomposed substances when burned

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product is not classified as toxic according to EU directive 67/548/EEC	
LD50 oral rat	None known mg/kg
LD50 dermal rat	None known mg/kg
LD50 dermal rabbit	None known mg/kg
LC50 inhalation rat (mg/l)	5 mg/l/4h, not harmful
LC50 inhalation rat (ppm)	None known ppm/4h
ATE oral	mg/kg
ATE dermal	mg/kg
Mutagenicity: Ames test (Salmonella typhimurium)	Negative

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SECTION 12: Ecological information

12.1. Toxicity

Ecology – air / water : Based on the properties of the substances can be stated that this product is not hazardous to the environment

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Ecology - waste materials : Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act or the European EWC (directive 2001/118/EC) when applicable.

SECTION 14: Transport information

14.1. UN number

UN-No. : -

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.3.1. Overland transport

Class (ADR) : No dangerous good in sense of transport regulations.
Danger labels (ADR) : Not applicable

14.3.2. Transport by sea

No additional information available

14.3.3. Air transport

Instruction "cargo" (ICAO) : Not applicable
Instruction "passenger" (ICAO) : Not applicable
Instruction "passenger" - Limited quantities (ICAO) : Not applicable

14.4. Packing group

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

This product is not classified as dangerous according to EU directive 67/548 and its amendments. To the best of our expertise, with due observance of the recommended exposure limits and of normal hygiene this product presents no health hazard in normal use.

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.