



SAFETY DATA SHEET TJN-410

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name HPTJN-410 MICR toner

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

Identified uses Toners suitable for laser printers and photocopiers.

1.3 Details of the supplier of the safety datasheet

Supplier Micro Micr Corporation
35 SW 12th Avenue
Suite 111
Dania, FL. 33004

Contact Person: Chris Schoeller, Director of Operations Tel: (800) 798-8856

1.4. Emergency telephonenumber

+ 1 (954)922-8044 (MON-FRI 09:00-16:00 hoursET)

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human health Not classified.
Environment Not classified.

Classification (1999/45/EEC)

Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Dust may irritate the eyes and the respiratory system.

Environment

The product is not expected to be hazardous to the environment.

Physical and Chemical Hazards

High concentrations of dust may form explosive mixture with air.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Ingredient notes

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Composition Comments

The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation

Irritation of nose, throat and airway.

Ingestion

No specific symptoms noted.

Skin contact

May cause skin irritation/eczema.

Eye contact

May cause severe irritation to eyes.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

Unusual Fire & Explosion Hazards

Dust may form explosive mixture with air. Fire causes formation of toxic gases.

Specific hazards

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of dust. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities. Avoid discharge into drains, water courses or onto the ground. Collect and dispose of spillage as indicated in section 13.

6.3. Methods and material for containment and cleanup

TJN-410 MICR toner

Avoid generation and spreading of dust. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Wear necessary protective equipment.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid inhalation of dust and contact with skin and eyes. Use mechanical ventilation in case of handling which causes formation of dust.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Keep in original container.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Respiratory equipment

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³. Wear respirator if there is dust formation. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Hand protection

Use protective gloves.

Eye protection

Wear dust resistant safety goggles where there is danger of eye contact.

Other Protection

Use engineering controls to reduce air contamination to permissible exposure level. Wear dust masks in dusty areas. Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Skin protection

Wear apron or protective clothing in case of contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Powder, dust
Colour	Black.
Odour	Almost odourless.
Solubility	Not soluble in water.
Initial boiling point and boiling range (°C)	Not applicable.
Melting point (°C)	>80
Relative density	Not determined.
Vapour pressure	Not applicable.

Evaporation rate
Not applicable.
Viscosity
Not applicable.
Solubility Value (G/100G H₂O@20°C)
Not applicable.
insoluble in water
Decomposition temperature (°C) >180
Auto Ignition Temperature (°C)
Not determined.
Flammability Limit - Lower(%)
Not applicable.
Flammability Limit - Upper(%)
Not applicable.
Explosive properties
Not applicable.
Oxidising properties
Not applicable.

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

No particular stability concerns. Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation
Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid dust close to ignition sources. Avoid contact with oxidisers or reducing agents.

10.5. Incompatible materials

Materials To Avoid
Strong oxidising substances. Strong reducing agents.

10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). PAH (polycyclic aromatic hydrocarbons).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Acute Toxicity (Oral LD₅₀)
Not determined.

Tests on toners have indicated there is no evidence of acute oral toxicity: Swallowed- LD₅₀ (rat) > 2500 mg/kg (i.e. practically non-toxic) . U Ewers and D Nowak, Luft 66(2006), No5, 203-210

Serious eye damage/irritation:

Moderately Irritating.

Respiratory or skin sensitisation:

Respiratory sensitisation
Not determined.
Skin sensitisation
Not determined.

Carcinogenicity:

not classified

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Not determined.

Inhalation

High concentrations of dust may irritate throat and respiratory system and cause coughing.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Skin contact

Powder may irritate skin.

Eye contact

May cause temporary eye irritation.

Health Warnings

Dust may irritate respiratory system.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

Acute Toxicity - Fish

Not determined.

Acute Toxicity - Aquatic Invertebrates

Not determined.

Acute Toxicity - Aquatic Plants

Not determined.

Acute Toxicity - Microorganisms

Not determined.

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

No information available

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects**SECTION 13: DISPOSAL CONSIDERATIONS**

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Powder to be collected, sealed tightly in bags and disposed on approved landfills. Dispose of waste and residues in accordance with local authority requirements.

Waste Class

European Waste Class (EwC) 08 13 18

SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials. CAS (Chemical Abstracts Service) number. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EC - European Community. EEC - European Economic Community. GHS - Globally Harmonised System. IARC (International Agency for Research on Cancer). Overland transport (ADR). PVC (Polyvinyl chloride). REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. SDS - Safety Data Sheet.

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Revision 1

Risk Phrases In Full

NC Not classified.

TJN-410 MICR Toner

Hazard Statements In Full

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.