



Product Name

Issue Date : Dec. 25, 2003

DR-400 / DR-500 / DR-510 / DR-3000 / DR-6000 / DR-7000 Drum

MSDS No. : ZLHD003

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Organic Photoconductor Drum for Models DR-400, DR-500, DR-510, DR-3000, DR-6000 and DR-7000

Manufacturer: Brother Industries, Ltd.
Information & Document Company
1-1-1, Kawagishi, Mizuho-ku, Nagoya 467-8562, Japan
Telephone (for information): +81-52-824-2545

Importer in USA: Brother International Corporation
100 Somerset Corporate Boulevard, P.O. Box 6911, Bridgewater, NJ 08807-0911, USA
Telephone (for information): 800-284-4329

Importer in Canada: Brother International Corporation (Canada) Ltd.
1 Hotel De Ville, Dollard des Ormeaux, Quebec, H9B 3H6, Canada
Telephone (for information): 514-885-0600

Importer in Europe: Brother International Europe Ltd.
Brother House, 1 Tame Street, Guide Bridge, Audenshaw, Manchester M34 5JE, UK
Telephone (for information): +44-161-330-6531

Importer in Australia: Brother International (Aust.) Pty. Ltd. ACN 001 393 835
7 Khartoum Road, North Ryde, N.S.W. 2113, Australia
Telephone (for information): 02-9887-4344

We do not provide 24 hour cover for information contact. Please telephone to the above office appropriate to you during our business hours.

Section 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Components (Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	NOHSC	%
Drum does not correspond to "Chemical" but to "Article", therefore we have no intention of announcing the ingredients.				

Section 3. HAZARDS IDENTIFICATION**Potential Health Effects**

Ingestion : N.A.

Inhalation : N.A.

Eye Contact : N.A.

Skin Contact : N.A.

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MSDS No. : ZLHD003

Section 4. FIRST AID MEASURES

First Aid Measures

Ingestion : N.A.

Inhalation : N.A.

Eye Contact : N.A.

Skin Contact : N.A.

Section 5. FIRE FIGHTING MEASURES

Extinguishing Media : Water, Foam, CO₂ or Dry chemical

Special Fire Fighting Procedures : Use self-contained breathing apparatus and protective gear in case of burning in large quantities.

Unusual Fire and Explosion Hazards: None under normal storage and use conditions.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : No special precaution.

Environmental Precautions: No special precaution.

Method for Cleaning Up : No special precaution.

Section 7. HANDLING AND STORAGE

Handling : None of safe handling advice.

Storage : Store in a cool, dry and dark place.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines : None

Engineering Controls : None

Personal Protection Equipment(s)

Respiratory Protection : None required under normal use.

Eye/Face Protection : None required under normal use.

Skin Protection : None required under normal use.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Green or black solid cylinder

Odor : Odorless

pH : N.A.

Boiling Point : N.A.

Melting Point : >160°C

Decomposition Temperature : N.A.

Flash Point : N.A.

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MSDS No. : ZLHD003

Flammable(explosive) Limits	: N.A.
Autoignition Temperature	: N.A.
Flammability	: N.A.
Explosive Properties	: N.A.
Oxidizing Properties	: N.A.
Vapor Pressure	: N.A.
Vapor Density	: N.A.
Density/Specific Gravity	: 1.3(H ₂ O=1)
Water Solubility	: Insoluble
Fat Solubility	: N.A.
Partition Coefficient(n-Octanol/Water)	: N.A.
Percent Volatile	: N.A.
Evaporation Rate	: N.A.

Section 10. STABILITY AND REACTIVITY

Stability	: Stable
Conditions to avoid	: None
Materials to Avoid	: Strong oxidizers, Organic solvent
Hazardous Decomposition Products:	None
Hazardous Polymerization	: Will not occur.
Conditions to avoid	: None

Section 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: N.A.
Acute dermal toxicity	: N.A.
Acute inhalation toxicity	: N.A.
Acute eye irritation	: N.A.
Acute skin irritation	: N.A.
Skin sensitisation	: N.A.
Mutagenicity	: Ames Test is Negative.
Reproductive Toxicity	: No reproductive toxicant, according to MAK, Proposition 65, TRGS 905 and EU Directive.
Carcinogenicity	: No carcinogen or potential carcinogen, according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, ILO, MAK, Proposition 65, TRGS 905 and EU Directive.
Others	: None

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Section 12. ECOLOGICAL INFORMATION

Mobility : No data available

Persistence Degradability : No data available

Bioaccumulation : No data available

Ecotoxicity : No data available

Other Adverse Effects : No data available

Section 13. DISPOSAL CONSIDERATIONS

Method of Disposal : Dispose in accordance with local, state and federal regulations.

Used OPC drum is considered as a noninflammable waste.

Section 14. TRANSPORT INFORMATION

UN No. : None

UN Shipping Name : None

UN Classification : None

UN Packing Group : None

Special Precautions : None

Section 15. REGULATORY INFORMATION

Label information according to the Directives 88/379/EEC and 67/548/EEC(EU)

Symbol and Indication : Not required

R-Phrase : Not required

S-Phrase : Not required

Dangerous Component(s) : None

Other : None

Section 16. OTHER INFORMATION

Change of the material safety data sheet

Reason for change: Types DR-510 and DR-3000 have been added to this MSDS sheet.

(No change from a technical point of view.)

Date of change: Dec. 25, 2003 (First edition: Nov. 9, 2000)

Others

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.