

Product Name

Issue Date : Dec. 25, 2003

DR-400 / DR-500 / DR-510 / DR-3000 / DR-6000 / DR-7000 DrumMSDS 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): 514-685-0600

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

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**Section 4. FIRST AID MEASURES**

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## First Aid Measures

Ingestion : N.A.

Inhalation : N.A.

Eye Contact : N.A.

Skin Contact : N.A.

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**Section 5. FIRE FIGHTING MEASURES**

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Extinguishing Media : Water, Foam, CO<sub>2</sub> 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.

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**Section 6. ACCIDENTAL RELEASE MEASURES**

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Personal Precautions : No special precaution.

Environmental Precautions: No special precaution.

Method for Cleaning Up : No special precaution.

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**Section 7. HANDLING AND STORAGE**

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Handling : None of safe handling advice.

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

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**Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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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.

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**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance : Green or black solid cylinder

Odor : Odorless

pH : N.A.

Boiling Point : N.A.

Melting Point : &gt;160°C

Decomposition Temperature : N.A.

Flash Point : N.A.

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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 <sub>2</sub> O=1)
Water Solubility	: Insoluble
Fat Solubility	: N.A.
Partition Coefficient(n-Octanol/Water)	: N.A.
Percent Volatile	: N.A.
Evaporation Rate	: N.A.

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**Section 10. STABILITY AND REACTIVITY**

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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

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**Section 11. TOXICOLOGICAL INFORMATION**

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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**

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Mobility : No data available  
Persistence Degradability : No data available  
Bioaccumulation : No data available  
Ecotoxicity : No data available  
Other Adverse Effects : No data available

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**Section 13. DISPOSAL CONSIDERATIONS**

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Method of Disposal : Dispose in accordance with local, state and federal regulations.  
Used OPC drum is considered as a nonflammable waste.

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**Section 14. TRANSPORT INFORMATION**

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UN No. : None  
UN Shipping Name : None  
UN Classification : None  
UN Packing Group : None  
Special Precautions : None

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**Section 15. REGULATORY INFORMATION**

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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

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**Section 16. OTHER INFORMATION**

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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.