



## **FICHE DE DONNÉES DE SÉCURITÉ**

Référence **0889095**

Désignation ***CART IMAGING P/BROTHER HL1650/ 1670N TONER***



**SAFETY DATA SHEET**  
**COATES BROTHER TN6600, 7600 , 3060 , 5500 SERIES TYPE TONER**

**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME COATES BROTHER TN6600, 7600 , 3060 , 5500 SERIES TYPE TONER  
PRODUCT NO. MILN571, MILN572, MILN573, MILN 688  
SYNONYMS, TRADE NAMES PCL0014  
APPLICATION Toners suitable for laser printers and photocopiers  
SUPPLIER Coates Toners (A Sun Chemical Company)  
Norton Hill,  
Midsomer Norton,  
BATH Somerset  
BA3 4RT  
+44(0)1761 414471  
+44(0)1761 418544  
The Chemical Safety Adviser  
EMERGENCY TELEPHONE +44 (0) 1761 408646

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
STYRENE, METHYL METHACRYLATE, N-BUTYL ACRYLATE COPOLYMER		27136-15-8	25-60%	-
CARBON BLACK		1333-86-4	1-5%	-
BENZYLTRIBUTYLAMMONIUM 4-HYDROXYPHTHALENE-1-SULPHONATE	402-240-5	102561-46-6	1-5%	Xn;R20 N;R51/53
POLYOLEFIN WAX		25085-53-4	1-5%	-

The Full Text for all R-Phrases are Displayed in Section 16

**COMPOSITION COMMENTS**

The Data Shown is in accordance with the latest EC Directives.

**3 HAZARDS IDENTIFICATION**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION R52/53.

**ENVIRONMENT**

Contains a substance which causes risk of hazardous effects to the environment.

**PHYSICAL AND CHEMICAL HAZARDS**

High concentrations of dust may form explosive mixture with air.

**HUMAN HEALTH**

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.

**4 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.

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### 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 irritation persists after washing.

### 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.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

### UNUSUAL FIRE & EXPLOSION HAZARDS

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

### PROTECTIVE MEASURES IN FIRE

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

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

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

### ENVIRONMENTAL PRECAUTIONS

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Avoid spreading dust or contaminated materials.

### SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Use mechanical ventilation in case of handling which causes formation of dust.

### USAGE DESCRIPTION

Minimise surface areas where combustible dusts could accumulate. Minimise the potential for the dispersion of combustible dust clouds. Provide suitable training to all relevant persons. Maintain high "housekeeping" standards to avoid the accumulation of potential dust explosions.

### STORAGE PRECAUTIONS

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

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits 4 mg/m<sup>3</sup> 8-hour TWA respirable dust. 10 mg/m<sup>3</sup> 8-hour TWA total inhalable dust.

### 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/m<sup>3</sup>. Wear respirator if there is dust formation. Dust filter P2 (for fine dust).

### HAND PROTECTION

Use protective gloves.

### EYE PROTECTION

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

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### 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 at the end of each work shift and before eating, smoking and using the toilet.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder, dust		
COLOUR	Characteristic		
ODOUR	Almost odourless		
SOLUBILITY	Insoluble in water		
MELTING POINT (°C)	~ >80°C	BULK DENSITY	800 kg/m <sup>3</sup>
PARTICLE SIZE (Micron)	Average particle size (by weight) ~ 7-9µ		

## 10 STABILITY AND REACTIVITY

### STABILITY

No particular stability concerns.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid dust close to ignition sources.

### HAZARDOUS POLYMERISATION

Will not polymerise.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). PAH (polycyclic aromatic hydrocarbons).

## 11 TOXICOLOGICAL INFORMATION

### GENERAL INFORMATION

Coates toners are formulated on Ames negative raw materials and have been independently certified Ames negative.

EEC Annex to Directive 92/69/EEC (1992) Part B Methods for Determination of Toxicity, B13 Other effects- Mutagenicity: Escherichia coli-reverse mutation assay

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

### 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. This chemical may cause skin/eye irritation.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

No data on possible environmental effects have been found.

## 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.

Report Date : 19/12/2006  
REVISION DATE: 14/09/2006

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SDS No.: 11965

## COATES BROTHER TN6600, 7600, 3060, 5500 SERIES TYPE TONER

### DISPOSAL 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 03 18

## 14 TRANSPORT INFORMATION

**GENERAL** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID). Not regulated for transport by the DOT

## 15 REGULATORY INFORMATION

### RISK PHRASES

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### SAFETY PHRASES

S60 This material and its container must be disposed of as hazardous waste.

### EU DIRECTIVES

Safety Data Sheet according to 91/155/EC as amended Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

### APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES

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

### NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

Workplace Exposure Limits 2005 (EH40)

Control of Substances Hazardous to Health Regulations 2002 (as amended)

All the ingredients of this product are exempt, registered or considered registered (polymers) under the European Inventory of Existing Commercial Chemical substances (EINECS/ELINCS)..

## 16 OTHER INFORMATION

### ISSUED BY

Chemical Safety Adviser

REVISION DATE 14/09/2006

REV. NO./REPL. SDS GENERATED 3

### SAFETY DATA SHEET STATUS

Approved.

SIGNATURE jpnh

### RISK PHRASES IN FULL

NC Not classified.

R20 Harmful by inhalation.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 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.