Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

IDENTITY
BROWN DEVELOPER FOR DC-114, 2555, 2585

Section I

Manufacturer's Name
MITA INDUSTRIAL CO., LTD.

Address (Number, Street, City, State, and Zip Code)
MITA COPISTAR AMERICA, INC.
777 TERRACE AVE., PO BOX 813
HASBROUCK HEIGHTS, NJ 07604

Emergency Telephone Number
(201)-288-6900

Telephone Number for Information
(201)-288-6900

Date Prepared
MARCH 1, 1990

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | TO NEAREST 5% (optional)
--- | --- | --- | --- | ---
IRON OXIDE (CAS NO. 1309-37-1) | 10mg/m³ | 5mg/m³ | NONE | N/A
ZINC OXIDE (CAS NO. 1314-13-2) | 5mg/m³ | 5mg/m³ | NONE | N/A
MAGNESIUM OXIDE (CAS NO. 1309-48-4) | 15mg/m³ | 10mg/m³ | NONE | N/A
BROWN TONER FOR DC-111C | | | | 10%

(NONE HAZARDOUS INGREDIENTS)

IRON (CAS NO. 7439-89-6) | | | | 25%

COPPER OXIDE (CAS NO. 1317-38-0) | | | | 5%

Section III — Physical/Chemical Characteristics

Boiling Point | N/A | Specific Gravity (H₂O = 1) | 1.68
Vapor Pressure (mm Hg.) | N/A | Melting Point | N/A
Vapor Density (AIR = 1) | N/A | Evaporation Rate (Butyl Acetate = 1) | N/A
Solubility in Water | INSOLUBLE |
Appearance and Odor | FINE BROWN POWDER, PRACTICALLY ODORLESS.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) | HIGHER THAN 350° | Flammable Limits | LEL N/A | UEL N/A
Extinguishing Media | IF PRODUCT BECOMES INVOLVED IN A FIRE, USE CARBON DIOXIDE EXTINGUISHER.
Special Fire Fighting Procedures | USE CARBON DIOXIDE EXTINGUISHER
Unusual Fire and Explosion Hazards | NONE UNDER NORMAL STORAGE AND USE CONDITIONS.
Section V — Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>NONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)

STRONG OXIDIZING AGENTS

Hazardous Decomposition or Byproducts

NONE IN NORMAL HANDLING AND USE.

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>NONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? YES  Skin? NO  Ingestion? POSSIBLE BUT VERY UNUSUAL

Health Hazards (Acute and Chronic)

NONE IN NORMAL HANDLING AND USE.


Signs and Symptoms of Exposure

MINIMAL RESPIRATORY TRACT IRRITATION MAY OCCUR AS WITH EXPOSURE TO LARGE AMOUNTS OF ANY NON-TOXIC DUST.

Medical Conditions

Generally Aggravated by Exposure N.A.

Emergency and First Aid Procedures

IF SKIN CONTACT OCCURS, WASH WITH SOAP AND WATER. IF EYE CONTACT OCCURS, FLUSH THOROUGHLY WITH WATER AND SEEK MEDICAL TREATMENT. IF INGESTION OCCURS, DILUTE STOMACH CONTENTS WITH SEVERAL GLASSES OF WATER AND SEEK MEDICAL TREATMENT.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

CLEAN UP WITH A VACUUM CLEANER

Waste Disposal Method

DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions to Be Taken in Handling and Storing

CLOSE CAP TIGHTLY AND STORE IN A COOL, DRY AND DARK PLACE.

Other Precautions

AVOID COMBUSTION.

Section VIII — Control Measures

Respiratory Protection (Specify Type)

NONE REQUIRED UNDER NORMAL USE.

Ventilation

Local Exhaust

NONE REQUIRED UNDER NORMAL USE.

Special  NONE REQUIRED UNDER NORMAL USE.

Mechanical (General)

NONE REQUIRED UNDER NORMAL USE.

Other  NONE REQUIRED UNDER NORMAL USE.

Protective Gloves

NONE REQUIRED UNDER NORMAL USE.

Eye Protection

NONE REQUIRED UNDER NORMAL USE.

Other Protective Clothing or Equipment

NONE REQUIRED UNDER NORMAL USE.

Work/Hygiene Practices

AVOID INHALATION, INGESTION, SKIN OR EYE CONTACT.