

# MATERIAL SAFETY DATA SHEET

INFORMATION ON THIS FORM IS PROPRIETARY INFORMATION AND FURNISHED SOLELY FOR THE USE OF OUR CUSTOMERS.

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PREPARED BY MD/TN  
MITSUBOSHI PRINTING INK CO.,LTD.  
HIGASHI 1-103 FUNAO-CHO HAMADERA NISHI-KU, SAKAI,  
OSAKA, 592-8341, JAPAN.  
PHONE: 011-81-72-261-8250 FAX: 261-8871  
EMERGENCY PHONE: 011-81-72-261-8250

## HMIS RATINGS

|              |   |
|--------------|---|
| HEALTH       | 1 |
| FLAMMABILITY | 1 |
| REACTIVITY   | 0 |

0=Minimal  
1=Slight  
2=Moderate  
3=Serious  
4=Severe

## SECTION I PRODUCT IDENTIFICATION

PRODUCT CLASS PRINTING INK (For Sheetfed Offset printing.)  
PRODUCT NAME OFFSET PRINTING INK  
NEW AS-HDN BLACK

## SECTION II HAZARDOUS INGREDIENTS

| [Hazardous Ingredients]        | [CAS Number] | [%]  |
|--------------------------------|--------------|------|
| Carbon Black                   | 1333-86-4    | 19.0 |
| Naphthenic acids, cobalt salts | 61789-51-3   | 0.6  |

SARA TITLE-III SECTION 313 LISTED.

THIS PRODUCT IS SUPPLIED IN COMPLIANCE WITH THE TSCA REPORTING REQUIREMENTS.

THIS PRODUCT IS NOT CONSIDERED HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD CFR 29 1910.1200, AND DOES NOT CONTAIN CLASS I & II SUBSTANCES OF OZONE DEPLETING CHEMICALS ACCORDING TO THE CLEAN AIR ACT AMENDMENTS OF 1990.

THIS INK IS EXEMPT UNDER THE NEW OSHA LABELLING REQUIREMENT CFR 29 1910.1000 SUBPART Z.

## SECTION III PHYSICAL DATA

|                      |                         |                  |                         |
|----------------------|-------------------------|------------------|-------------------------|
| BOILING RANGE        | 275-310°C               | APPEARANCE       | Black viscous paste     |
| VAPOR/LIQUID DENSITY | Heavier                 | VOC              | 23.90WT% (by Method 24) |
| TYPE OF ODOR         | Oily                    |                  |                         |
| SOLUBILITY IN WATER  | Insoluble               | SPECIFIC GRAVITY | 1069g/l                 |
| EVAPOLATION RATE     | Slower vs Butyl Acetate |                  |                         |

## SECTION IV FIRE & EXPLOSION DATA

|                             |                         |          |
|-----------------------------|-------------------------|----------|
| FLAMMABILITY CLASSIFICATION | OSHA III B              | LEL: 1.1 |
| FLASH POINT                 | 105°C                   |          |
| EXTINGUISHING MEDIA         | Foam, dry chemical, CO2 |          |

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

- Dense smoke may be generated when burning.
- Closed containers may explode when exposed to high temperatures.

### SPECIAL FIREFIGHTING PROCEDURES:

- Cut off air supply to the burning material.
- Cool containers exposed to flames with water.
- Wear protective clothing and self-contained breathing apparatus.

SECTION V HEALTH HAZARD DATA

OVEREXPOSURE EFFECTS Prolonged skin contact may cause minor irritation.

PRIMARY HAZARD Eye and skin irritation.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT Flush eyes with copious quantities of water immediately, and seek medical attention.

SKIN CONTACT Remove, do not rub in, the contaminant with soft cloth or paper towel, and wash thoroughly with soap and lukewarm water.

INGESTION Do not induce vomiting. Seek medical attention immediately.

SECTION VI REACTIVITY DATA

PRODUCT STABILITY Stable under normal condition.

CONDITIONS TO AVOID Storage under extremely high temperatures.

SECTION VII SPILL OR LEAK PROCEDURES

PROCEDURES WHEN MATERIAL IS SPILLED OR RELEASED:

Collect large spills with shovel, dry sand, or absorbent material.

Clean spill area with detergent solutions.

Provide adequate ventilation during cleanup.

WASTE DISPOSAL METHOD: Waste material should be disposed in compliance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION Adequate ventilation as specified by local or state requirements.

EYE PROTECTION Safety goggles/glasses may be worn.

PROTECTIVE GLOVES Protective gloves may be worn to protect from splashing.

RESPIRATORY PROTECTION Not required under adequate ventilation system.

OTHER PROTECTIONS Protective apron and long sleeves may be worn.

SECTION IX SPECIAL PRECAUTIONS

HANDLING AND STORING Keep container closed whenever the content is not in use.  
Keep away from heat generating sources and open flames.

OTHER PRECAUTIONS Do not transfer the content to unmarked container.  
Contact manufacturer for further information or special handling.

SECTION X TRANSPORTATION INFORMATION

UN NUMBER : None

We certify that this product does not contain any dangerous composition as defined under IATA regulations.