

**MATERIAL SAFETY DATA SHEET**

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PRODUCT IDENTIFICATION	
MANUFACTURER'S NAME Jupiter Ink & Chemical Co.,Ltd.	TELEPHONE NUMBER 66-(0)-3874-4235
ADDRESS 200/3 Moo 2, Klongtamru, Muang, Chonburi 20000, Thailand	
CHEMICAL NAME Offset Printing Ink	TRADE NAME COLORFUL SUPER BLACK
INGREDIENTS	
MATERIAL	%
Organic Pigment	15-20
PE Wax	1-1.5
Alkyd Resin	3-4
Phinolic Resin	50-60
Linseed Oil	5-10
Petroleum Solvent	15-20
Additive	2-3
Drier	2-3
SOLUBILITY IN WATER Insoluble	VAPOR DENSITY Not Available
APPEARANCE AND ODOR Colored oily paste	% VOLATILES BY WEIGHT 25-35%
FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT 295°F (146°C)	AUTOIGNITION TEMPERATURE Not Available
EXTINGUISHING MEDIA Use water fog, foam, CO <sub>2</sub> or dry chemical extinguish media.	
UNUSUAL FIRE AND EXPLOSION HAZARDS Dense smoke may be generated while burning, carbon dioxide, carbon monoxide and other oxides may be generated as products of combustion.	



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HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

- INHALATION** : Caution should be taken to prevent aerosolization or misting of this product.  
Acute overexposure may result in irritation of the throat and lungs.
- SKIN CONTACT** : Avoid skin contact. This product is non-irritating to the skin upon direct contact.  
Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping and reddening. This condition may make the skin more susceptible to other irritants and disease. Pre-existing skin conditions may make the skin more susceptible and facilitate uptake by this route.
- EYE CONTACT** : Avoid eye contact. This product may be slightly irritating to the eye upon direct contact.
- INGESTION** : Do not ingest.

EMERGENCY AND FIRST AID PROCEDURES

- EYES** : Immediately flush eyes with plenty of low pressure water and continue flushing for 15 minutes until irritation subsides. Seek medical attention.
- SKIN** : Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.
- INHALATION** : If mist is generated when the material is heated or handled, remove victim from exposure. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek medical attention.
- INGESTION** : Do not induce vomiting. Seek immediate medical attention.

REACTIVITY DATA

STABILITY

CONDITION TO AVOID

Stable

Excessive heat and contact with strong oxidizers.

HAZARDOUS POLYMERIZATION

CONDITION TO AVOID

Will not occur

Non

HAZARDOUS DECOMPOSITION PRODUCTS

CO<sub>2</sub>, CO and other oxides may be generated as products of combustion.



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### SPECIAL PROTECTION INFORMATION

#### VENTILATION REQUIREMENTS

If mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

#### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY** : Respiratory protection is not required under conditions of normal use. If mist generated when the material heated or handled, use an organic vapor respirator with a dust and mist filter.

**SKIN** : No skin protection is required for single, short duration exposure.  
For prolonged or repeated exposure, use impervious synthetic rubber clothing over parts of the body subject to exposure.

**EYES** : Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield.

### SPECIAL PRECAUTIONS

#### HANDLING AND STORING

Store in closed containers in cool, well ventilated area. Consumption of food and beverage should avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking or smoking.

### OTHER INFORMATION

To the best of our knowledge, the information contained here in is accurate. However, neither Chemical Company nor any subsidiaries assumes any liability what-so-ever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used in caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.