

Material Safety Data Sheet

Prepared: Jan 28,2010

Section 1: PRODUCT IDENTIFICATION

Manufacturer: Zhuhai Colourful Pigment Co., Ltd.
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Product Use:	Nitrocellulose dispersions	Hazard Ratings	Health – 1
Product Name:	Colourful NC Chip Black 7	none -> extreme	Fire – 3
Product Code:	CL-57001AT	0 -----> 4	Reactivity – 0
C.A.S Number:	N/AP		
Prepared by:	Mr. Sam Soon	Personal Protection – B	
Title:	R & D Chemist		
Hazard Classification:	4.1	UN No:	1353
TDG Shipping Name:	Nitrocellulose with plasticizing substance		
Packing Group:	III		
Other Names:	None		
WEMIS Class(es):	B4. D2B	Molecular Wt:	N/AP

Section 2: HAZARDOUS INGREDIENTS

Ingredients	CAS No	Weight %	LD50 mg/kg	LC50 4 hours	Exposure ACGIR/TLV	Limits ACGIH/STEL	VP mm HG
Nitrocellulose	9004-70-0	15-40	N/AV	N/AP	N/AV	N/AV	N/AV

N/AP = Not Applicable N/AV = Not Available

Section 3: PHYSICAL DATA

Boiling Range:	N/AP	Vapour Density:	Heavier than air
Evaporation Rate:	N/AP	Odour Threshold:	N/AV
Volatile Vol. %:	N/AV	Weight %:	N/AV
Vapour Pr. Mm Hg:	N/AV	SG:	1.268
Freeze Pt:	N/AV	Coef. Water / Oil:	N/AV
pH:	N/AP	Physical State:	Solid
Odour:	N/AV	Appearance:	Black Chip

Section 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/AP	TCC LEL (vol. %):	N/AV
UEL (vol. %):	N/AV	Auto-ignition Pt (Deg C):	399

CONDITIONS OF FLAMMABILITY:

This product may ignite if exposed to open flames, sparks, static discharge or other sources of ignition.

HAZARDOUS COMBUSTION PRODUCTS:

Fumes, smoke and oxides of carbon and nitrogen. Under some conditions, small amounts of methane, irritating aldehydes and carboxylic acid and HCN may be formed.

EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE:

Static discharges have the potential to explosively ignite this material, especially in areas of heavy dusting.

Section 4: FIRE AND EXPLOSION HAZARD DATA (Cont.)

SENSITIVITY TO MECHANICAL IMPACT:

Numerical data not available.

EXTINGUISHING MEDIA:

Dry Chemical. Carbon Dioxide, Alcohol Foam or Water Fog.

SPECIAL FIREFIGHTING PROCEEDRES:

Wear self-contained breathing apparatus and fight fire from a safe distance. A water stream may be used to cool surrounding containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Areas of heavy dusting may be subject to a static discharge initiated dust explosion. However, we do not expect significant quantities of product dust to be formed under anticipated conditions of use and storage. If ignited, this material is capable of generating its own oxygen.

Section 5: TOXICOLOGICAL PROPERTIES

Calculated LD50 for Product: N/AV

LC50: N/AP

EXPOSURE LIMITS:

Exposure limits for this product have not been determined. We suggest exposures be kept well below the lowest TLV – TWA (Threshold Limit Value – Time Weighted Average) given in “Section 2” of this MSDS.

EFFECTS OF ACUTE EXPOSURE:

Inhalation: Large quantities of product dust may cause sneezing and irritation of the respiratory tract.
Eyes: Irritation, particulates may scratch the surface of the eye.
Skin: N/AV
Ingestion: N/AV

EFFECTS OF CHRONIC EXPOSURE:

Inhalation: N/AV
Eyes: N/AV
Skin: N/AV
Ingestion: N/AV.

SENSITIZATION TO MATERIAL:

This product has not been tested.

IRRITANCY OF MATERIAL:

Material will irritate eyes and skin.

SYNERGISTIC MATERIALS:

This product has not been tested.

OTHER HEALTH EFFECTS:

N/AV.

OTHER HAZARDS:

Carcinogenicity: This product contains no ingredients listed as carcinogens.
Reproductive effects: N/AV
Teratogenicity: N/AV
Mutagenicity: N/AV

Section 6: REACTIVITY DATA

STABILITY:

Unstable Stable

CHEMICAL STABILITY / PRECAUTIONS:

Material is chemically stable.

REACTIVITY / CONDITIONS:

Material will not react under anticipated conditions of use and storage.

INCOMPATIBILITY / PRECAUTIONS:

Avoid contact with strong acids, alkalis and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Material will not decompose under anticipated conditions of use and storage.

Section 7: PREVENTIVE MEASURES

PROTECTIVE EQUIPMENT:

Respiratory protection: Wear a dust mask or respiratory for high levels of particulates.

Eye protection: Always wear safety glasses.

Other: To avoid skin contact, wear appropriate gloves, clothing and boots.

PROTECTIVE CONTROLS:

Ensure adequate ventilation. Ensure ventilation and electrical systems are non-sparking and meet the appropriate electrical codes.

GENERAL PRECAUTIONS:

Storage: Store in a closed container and in a cool and well ventilated area. Guard against the accumulation of static charge. Hazardous product residue may remain in empty container.

Handling: Use non-sparking tools and ground all equipment used in handling this product.

Other: Do not take internally!

SPILL OR LEAK PROCEDURE:

Eliminate all sources of ignition. Sweep gently to avoid the formation of a dust cloud, and transfer to an approved disposal container using non-sparking shovels. Do not vacuum. Consult the appropriate authorities for proper waste disposal procedures.

WASTE DISPOSAL METHOD:

Consult the appropriate authorities.

Section 8: FIRST AID MEASURES

INHALATION:

Remove victim from exposure. Administer artificial respiration or oxygen if breathing has stopped. Get immediate medical attention.

EYES:

Flush eyes for at least 15 minutes with water. Get immediate medical attention if irritation persists.

SKIN:

Wash skin with soap and water. Get immediate medical attention if irritation persists.

INGESTION:

Get immediate medical attention.

Section 9: PREPRATION INFORMATION

SOURCES USED:

1. "Dangerous Properties of Industrial Materials" H. Irving Sax. Van Nostand Reinhold Co., N.Y., Sixth Ed., 1984.
2. "NPIRI Raw Material Data Handbook". J.M. Fetsko. National Printing Ink Research Institute. Pennsylvania. Vol. 1. 1974.
3. Current MSD sheets for each raw material used in formulating this product and many general reference sources in addition to those listed above.

ADDITIONAL INFORMATION:

Please contact Zhuhai Colourful Pigment Co., Ltd. if additional information is required.

NOTE:

N/AV – Not available. N/AP – Not applicable.

NOTE:

This information is provided in good faith. Although it is based on data from sources deemed to be reliable, Zhuhai Colourful Pigment Co., Ltd. cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.