

74269-1002**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: CLAY

Issued: 28/7/03

Page: 1-4

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION**1.1 PRODUCT IDENTIFICATION**PRODUCT NAME: CLAYCHEMICAL NAME: SILICON DIOXIDE MIXTURECHEMICAL IDENTIFICATION: SILICON DIOXIDE MIXTURE**1.2 COMPANY DETAILS**NAME : CANGLONG CLAY MANUFACTORY CO. LTD.ADDRESS : FENG TANG INDUSTRIAL ESTATE, CHAO AN ZHEN, CHAO YAN CITY, GUANG DONG CHINATEL.: 0768-6883508 FAX: 0768-6883789**1.3 EMERGENCY TELEPHONE**NAME : CANGLONG CLAY MANUFACTORY CO. LTD.ADDRESS : FENG TANG INDUSTRIAL ESTATE, CHAO AN ZHEN, CHAO YAN CITY, GUANG DONG CHINATEL.: 0768-6883508 FAX: 0768-6883789**2. INGREDIENTS**

<u>COMPOSITION</u>	<u>PERCENTAGE</u>	<u>HAZARDOUS INGREDIENTS</u>
SiO ₂	60%	None
Al ₂ O ₃	17%	None
H ₂ O	23%	None

3. HEALTH HAZARD DATA**3.1 HEALTH EFFECTS SUMMARY:****3.1.1 EFFECTS OF OVEREXPOSURE**INGESTION : UNDER NORMAL CONDITIONS OF USE, NO ADVERSE EFFECTS ARE EXPECTEDINHALATION : UNDER NORMAL CONDITIONS OF USE, NO ADVERSE EFFECTS ARE

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CLAY

Issued: 28/7/03

EXPECTED

SKIN CONTACT : UNDER NORMAL CONDITIONS OF USE, NO ADVERSE EFFECTS ARE EXPECTED

EYE CONTACT : UNDER NORMAL CONDITIONS OF USE, NO ADVERSE EFFECTS ARE EXPECTED. BUT, DIRECTED / REPEATED CONTACT OF CONCENTRATED PRODUCT WILL CAUSE TRANSIENT IRRITATION.

3.1.2 OTHERS EFFECT FROM OVEREXPOSURE: NO SIGNIFICANT EFFECT REPORTED

Page: 2-4

4. FIRST AID PROCEDURES

- 4.1 INGESTION : CONSULT DOCTOR IF ANY SYMPTOMS APPEAR OR YOU FEEL UNWELL...
- 4.2 INHALATION : REMOVE TO FRESH AIR
- 4.3 SKIN CONTACT : WASH WITH SOAP AND WATER
- 4.4 EYE CONTACT : IMMEDIATELY GENTLY FLUSH EYE WITH WATER

5. FIRE AND EXPLOSION HAZARD DATA

- 5.1 FLASH POINT : NOT APPLICABLE
- 5.2 FLAMMABLE LIMITS : NOT APPLICABLE
- 5.3 EXTINGUISHING MEDIA : WATER MIST, FOAM, DRY CHEMICAL, CO2
- 5.4 FIRE FIGHTING PRECAUTIONS : WEAR IMPERVIOUS CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.
- 5.5 UNUSUAL HAZARDS : MATERIAL CAN BURN WHEN TEMPERATURE OVER 500°C. MAY FORM FLAMMABLE OR EXPLOSIVE DUST CLOUDS IN AIR

6. SPILLAGE AND LEAKAGE PROCEDURES

STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED:
CONTAIN SPILLAGE AND TRANSFER TO A SEALABLE CONTAINER. RESIDUE MAY BE WASHED AND WILL DISSOLVE IN WATER.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CLAY

Issued: 28/7/03

7. STORAGE AND HANDLING

- 7.1 HANDLING: NO SPECIAL PRECAUTIONS.
- 7.2 STORAGE: TO PREVENT THE MATERIAL BECOMES HARDEN OR CRACKED; KEEP STORE IN SEALED POLYBAG UNDER COOL, DRY CONDITIONS AWAY FROM SOURCES OF HEAT.

8. OCCUPATIONAL CONTROL PROCEDURES

- 8.1 PERSONAL HYGIENE: WASH THOROUGHLY AFTER HANDLING. ESPECIALLY BEFORE EATING OR DRINKING. REMOVE / LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.
- 8.2 RESPIRATORY PROTECTION : NOT APPLICABLE
- SKIN PROTECTION : NOT APPLICABLE
- EYE PROTECTION : NOT APPLICABLE

Page: 3-4

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT STATE: SOFT CLAY COLOR: WHITE / RED / GREY ODOR: SLIGHTLY ODOR

FLASH POINT: NOT APPLICABLE (WATER SOLUBLE SYSTEM)

EXPLOSION LIMIT (%) UPPER : NOT APPLICABLE (WATER SOLUBLE SYSTEM)

LOWER : NOT APPLICABLE (WATER SOLUBLE SYSTEM)

SOLUBILITY IN WATER : SOLUBLE

PERCENT VOLATILE : ~51% (WATER)

MELTING POINT : NOT APPLICABLE

FREEZING POINT : -0°C

10. REACTIVITY DATA

- 10.1 STABILITY : STABLE
- CONDITIONS TO AVOID : NONE KNOWN

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CLAY

Issued: 28/7/03

HAZARDOUS DECOMPOSITION PRODUCTS: MELTING OF THIS PRODUCT OVER 500°C WILL RELEASE CARBON DIOXIDE.

10.2 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

10.3 INCOMPATIBILITY (MATERIALS TO AVOID): NONE

11. TOXICOLOGY INFORMATION

THE PRODUCT HAS NOT SHOWN ANY EVIDENCE IN TESTS SO FAR OF BEING CARCINOGENIC, MUTAGENIC OR TOXIC FOR REPRODUCTION. IN MANY OF THE TESTS REVIEWED UP TO NOW, THE TESTS INDICATED NO SIGNIFICANT ADVERSE LONG TERM EFFECTS IF THE PRODUCT IS USED AS INTENDED AND RECOMMENDED BY THE MANUFACTURER. THERE IS CONSIDERABLE PRESUMPTION, PARTIALLY SUPPORTED BY EXPERIMENTAL FINDINGS, THAT IT IS RAPIDLY METABOLISED AND EXCRETED BY MAMMALS.

12. ENVIRONMENT PRECAUTIONS

12.1 PREVENT ENTRY INTO DRAINS, SEWERS AND WATER COURSES BEFORE THE PRODUCTS DISSOLVED.

12.2 TOXICOLOGY: NO EFFECTS INDICATED ON ANIMALS OR PLANTS

Page: 4-4

13. DISPOSAL CONSIDERATIONS

13.1 WASTE DISPOSAL METHOD: INCINERATION OR LANDFILL COMPLYING WITH REGULATIONS APPLICABLE IN COUNTRY OF USE.

13.2 DRUM DISPOSAL: REMOVE SURPLUS MATERIAL AND DISPOSE AS ABOVE, OR RECYCLE.

14. TRANSPORTATION INFORMATION

ROAD TRANSPORT (ADR/RID) : NOT REGULATED
MARITIME TRANSPORT (IMDG Code) : NOT REGULATED
AIR TRANSPORT (ICAO/IATA) : NOT REGULATED
MARPOL : NOT REGULATED

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CLAY

Issued: 28/7/03

15. OTHER INFORMATION

NOTE:

THE INFORMATION CONTAINED HEREIN IS FOR HEALTH AND SAFETY GUIDANCE ONLY AND DOES NOT CONSTITUTE A SPECIFICATION. IT IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: POSTER PAINT

Issued: 28/7/03

Page: 1-4

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

1.1 PRODUCT IDENTIFICATION

PRODUCT NAME: POSTER PAINT

CHEMICAL NAME: UCAR LATEX T-125T

CHEMICAL IDENTIFICATION: VINYL ACETATE EMULSION

1.2 COMPANY DETAILS

NAME : UNION CARBIDE (GUANGDONG ZHONGSHAN) CO. LTD.

ADDRESS : 57 ROAD, NIAOLANG ZHEN, ZHONGSHAN, GUANG DONG CHINA

TEL.: 0760-210 1288 FAX: 0760-210 0823

1.3 EMERGENCY TELEPHONE

NAME : UNION CARBIDE (GUANGDONG ZHONGSHAN) CO. LTD.

ADDRESS : 57 ROAD, NIAOLANG ZHEN, ZHONGSHAN, GUANG DONG CHINA

TEL.: 0760-210 1288 FAX: 0760-210 0823

2. INGREDIENTS

<u>COMPOSITION</u>	<u>PERCENTAGE</u>	<u>HAZARDOUS INGREDIENTS</u>
POLYMER & ADDITIVE	49%	None
VINYL ACETATE EMULSION	1%	None
H ₂ O	50%	None

3. HEALTH HAZARD DATA

3.1 HEALTH EFFECTS SUMMARY:

3.1.1 EFFECTS OF OVEREXPOSURE

INGESTION : UNDER NORMAL CONDITIONS OF USE, NO ADVERSE EFFECTS ARE EXPECTED

INHALATION : MAY CAUSE DISCOMFORT TO RESPIRATORY TRACT

SKIN CONTACT : MAY CAUSE IRRITANT W/ SOME INDIVIDUALS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: POSTER PAINT

Issued: 28/7/03

EYE CONTACT : DIRECTED / REPEATED CONTACT OF CONCENTRATED PRODUCT WILL CAUSE TRANSIENT IRRITATION.

3.1.2 OTHERS EFFECT FROM OVEREXPOSURE: NO SIGNIFICANT EFFECT REPORTED

Page: 2-4

4. FIRST AID PROCEDURES

- 4.1 INGESTION : GIVE TWO GLASSES OF WATER TO DRINK AND OBTAIN MEDICAL ATTENTION
- 4.2 INHALATION : REMOVE TO FRESH AIR AND OBTAIN MEDICAL ATTENTION
- 4.3 SKIN CONTACT : WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION EXISTS, OBTAIN MEDICAL ATTENTION.
- 4.4 EYE CONTACT : PROMPTLY & THOROUGHLY WASH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

5. FIRE AND EXPLOSION HAZARD DATA

- 5.1 FLASH POINT : NOT APPLICABLE
- 5.2 FLAMMABLE LIMITS : NOT APPLICABLE
- 5.3 EXTINGUISHING MEDIA : FOAM, CARBON DIOXIDE, OR DRY POWDER EXTINGUISHANT
- 5.4 FIRE FIGHTING PRECAUTIONS : WEAR IMPERVIOUS CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.
- 5.5 UNUSUAL HAZARDS : MATERIAL CAN SPLATTER, BUT NOT BURN WHEN REACHING THE BOILING POINT. COMBUSTION MAY PRODUCE CARBON DIOXIDE AND CARBON MONOXIDE, WHICH WILL REQUIRE A FRESH AIR SOURCE IN FIRE FIGHTING.

6. SPILLAGE AND LEAKAGE PROCEDURES

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: POSTER PAINT

Issued: 28/7/03

STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED: CONTAIN SPILLAGE AND TRANSFER TO A SEALABLE CONTAINER. RESIDUE MAY BE WASHED AND WILL DISSOLVE IN WATER.

7. STORAGE AND HANDLING

- 7.1 HANDLING: PREVENT DIRECTLY CONTACT TO EYES, SKINS AND CLOTHS. DO NOT SWALLOW. WASH THOROUGHLY WITH SOAP AND WATER AFTER USED.
- 7.2 STORAGE: STORE IN CLOSED CONTAINERS UNDER COOL, DRY CONDITIONS AWAY FROM SOURCES OF HEAT.

Page: 3-4

8. OCCUPATIONAL CONTROL PROCEDURES

- 8.1 PERSONAL HYGIENE: WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, OR USING RESTROOM FACILITIES. REMOVE / LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.
- 8.2 RESPIRATORY PROTECTION : NOT REQUIRED IF GOOD VENTILATION IS MAINTAINED.
- SKIN PROTECTION : WEAR GLOVES (PLASTIC OR RUBBER)
- EYE PROTECTION : WEAR CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS. AN EYE WASH FACILITY SHOULD BE READY AVAILABLE.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT STATE: RESIN LIQUID COLOR: MULTI ODOR: SLIGHTLY ODOR
FLASH POINT: NOT APPLICABLE (WATER SOLUBLE SYSTEM)
EXPLOSION LIMIT (%) UPPER : NOT APPLICABLE (WATER SOLUBLE SYSTEM)
LOWER : NOT APPLICABLE (WATER SOLUBLE SYSTEM)
SOLUBILITY IN WATER : SOLUBLE
PERCENT VOLATILE : -21% (WATER)

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: POSTER PAINT

Issued: 28/7/03

BOILING POINT, 760mmHG : > 100°CSPECIFIC GRAVITY (WATER=1) : 1.06VAPOUR DENSITY (AIR=1) : LESS THAN 1MELTING POINT : NOT APPLICABLEFREEZING POINT : 0°C

10. REACTIVITY DATA

10.1 STABILITY : STABLECONDITIONS TO AVOID : NONE KNOWNHAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE & CARBON MONOXIDE.10.2 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR10.3 INCOMPATIBILITY (MATERIALS TO AVOID): NONE

Page: 4-4

11. TOXICOLOGY INFORMATION

THE PRODUCT HAS NOT SHOWN ANY EVIDENCE IN TESTS SO FAR OF BEING CARCINOGENIC, MUTAGENIC OR TOXIC FOR REPRODUCTION.. IN MANY OF THE TESTS REVIEWED UP TO NOW, THE TESTS INDICATED NO SIGNIFICANT ADVERSE LONG TERM EFFECTS IF THE PRODUCT IS USED AS INTENDED AND RECOMMENDED BY THE MANUFACTURER.. THERE IS CONSIDERABLE PRESUMPTION, PARTIALLY SUPPORTED BY EXPERIMENTAL FINDINGS, THAT IT IS RAPIDLY METABOLISED AND EXCRETED BY MAMMALS.

12. ENVIRONMENT PRECAUTIONS

12.1 PREVENT ENTRY INTO DRAINS, SEWERS AND WATER COURSES BEFORE THE PRODUCTS DISSOLVED.12.2 TOXICOLOGY: NO EFFECTS INDICATED ON ANIMALS OR PLANTS

13. DISPOSAL CONSIDERATIONS

13.1 WASTE DISPOSAL METHOD: INCINERATION OR LANDFILL COMPLYING WITH

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: POSTER PAINT

Issued: 28/7/03

REGULATIONS APPLICABLE IN COUNTRY OF USE13.2 DRUM DISPOSAL: REMOVE SURPLUS MATERIAL AND DISPOSE AS ABOVE, OR RECYCLE.

14. TRANSPORTATION INFORMATION

ROAD TRANSPORT (ADR/RID)	: <u>NOT REGULATED</u>
MARITIME TRANSPORT (IMDG Code)	: <u>NOT REGULATED</u>
AIR TRANSPORT (ICAO/IATA)	: <u>NOT REGULATED</u>
MARPOL	: <u>NOT REGULATED</u>

15. OTHER INFORMATION

NOTES:

THE INFORMATION CONTAINED HEREIN IS FOR HEALTH AND SAFETY GUIDANCE ONLY AND DOES NOT CONSTITUTE A SPECIFICATION. IT IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.
