QINGDAO SANHUAN COLORCHEM CO., LTD.

17 FLOOR, YUHENG BUILDING, NO.170 XUZHOU NORTH ROAD, QINGDAO, CHINA
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MATERIAL SAFETY DATA SHEET

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PIGMENT RED 144
Chemical Formula: $C_{40}H_{23}Cl_5N_6O_4$
Molecular Weight: 828.94
CAS No.: 5280-78-4
Manufacturer Identification:
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Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content%	Hazardous
PIGMENT RED 144	5280-78-4	100	No

Section 3 - HAZARDS IDENTIFICATION

NO HAZARDOUS EFFECTS KNOWN.
THIS PRODUCT IS NOT CONSIDERED TO BE HAZARDOUS SUBSTANCES UNDER OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910/200).

Section 4 - FIRST AID MEASURES

SKIN CONTACT：UNDER NORMAL CONDITIONS OF GOOD INDUSTRIAL HYGIENE, NOT EXPECTED TO VE IRRITANT. WASH SKIN WITH MILD SOAP AND WATER.
EYE CONTACT：SHOULD BE AVOIDED BY WEARING APPROVED SAFETY GLASSES OR GOGGLES.EYE CONTACT WITH ANY NUISANCE PARTICULATE MAY CAUSE EYE IRRITATION.
INHALATION：SHOULD BE AVOIDED BY WEARING A DUST MASK.INHALATION OF ANY NUISANCE DUST MAY CAUSE RESPIRATORY IRRITATION.REMOVE TO FRESH AIR AND TREAT SYMPTOMATICALLY.
INGESTION：CONSIDERED TO BE NON-TOXIC.
TOXICITY INFORMATION：NO CARCINOGENIC EFFECT OBSERVED DURING CHRONIC FEEDING STUDY ON PIGMENT.

Section 5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISH MEDIA：NO RESTRICTION
FLASH POINT：N/A
FLAMMABILITY CLASSIFICATION：NON-FLAMMABLE
SPECIAL HAZARDS CAUSED BY THE MATERIAL, ITS COMBUSTION PRODUCTS

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OR RESULTANT GASES：NONE

SPECIAL PERSONAL PROTECTION EQUIPMENT： USE OF SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE EQUIPMENT RECOMMENDED.

Section 6 - ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PROTECTION CONDUCT：DO NOT SWEEP OR WASH IN PUBLIC STRETCHES OF WATER, SEWERS OR SUITES OF UNKNOWN DISCHARGE.

AFTER SPILLAGE/LEAKAGE/GAS LEAKAGE：CLEAN UP IMMEDIATELY WITH WETTING OR ABSORBENT MATERIAL AVOIDING DUSTING.

Section 7 - HANDLING AND STORAGE

HANDLING：USUAL PRECAUTIONS FOR NUISANCE DUST SHOULD BE OBSERVED. PROTECTION AGAINST FIRE AND EXPLOSION：KEEP AWAY FORM SOURCES OF IGNITION- NO SMOKING. RISK OF DUST EXPLOSION.

STORAGE：STORE IN ROOFED PLACES AT ROOM TEMPERATURE. KEEP CONTAINERS TIGHTLY SEALED.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

PRECAUTIONARY MEASURES： NO SPECIAL SAFETY MEASURES REQUIRED.

REGNIRATORY PROTECTION：WEAR SUITABLE FILTER DUST MASK.

HAND PROTECTION：WEAR SUITABLE RUBBER GLOVES.

EYE PROTECTION：WEAR SUITABLE GOGGLES OR FACE PROTECTION.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

FORM	POWDER
COLOUR	RED
ODOUR	ODOURLESS
MELTING POINT/RANGE	NOT APPLICABLE
DENSITY	1.45（H_2O=1）
WATER SOLUBILITY	INSOLUBLE
VAPOUR PRESSURE	NOT APPLICABLE
PH	5.5~6.5
VISCOSITY	NOT APPLICABLE
EXPLOSIVE PROPERTIES	NOT TESTED

Section 10 - STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS：NO DECOMPOSITION AT PROPER STORAGE AND APPLICATION CONDITION

Section 11 - TOXICOLOGICAL INFORMATION

L 50 ACUTE ORAL TOXICITY IN RATS：NOT AVAILABLE

SKIN IRRITATION TESTED ON RABBITS：NON-IRRITANT

EYE IRRITATION TESTED ON RABBITS：NON-IRRITANT

Section 12 - ECOLOGICAL INFORMATION

EC 50 ALGAE: NOT TESTED.

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PREVENT CONTAMINATION OF SOIL, DRAINS AND SURFACE WATERS.

Section 13 - DISPOSAL CONSIDERATIONS

PRODUCT：DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

WASTE CODE NO.：55514 (GERMANY)

CHECK RE-USE AS ALTERNATIVE.

CONTAMINATED PACKAGES AND CONTAINERS

EMPTIE, BUT CONTAMINATED PACKAGESAND CONTAINERS MAY BE RECYCLED.

WASTE CODE NO.：18714 (GERMANY)

Section 14 - TRANSPORT INFORMATION

NO DECLARATION FOR TRANSPORT REQUIRED.

Section 15 - REGULATORY INFORMATION

THIS PRODUCT IS NOT CONSIDERED TO BE HAZARDOUS SUBSTANCES UNDER OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910/200).

Section 16 - ADDITIONAL INFORMATION

THIS PRODUCT MUST BE STORED, HANDLED AND USED ACCORDING TO THE STANDARDS OF HYGIENE AND SAFETY OF GOOD INDUSTRIAL PRACTISE AND IN CONFORMITY WITH THE APPLICABLE LEGAL STANDARDS.

THE ABOVE DATA IS BASED ON PRESENT INFORMATION AND EXPERENCE AND IS INTENDED TO DESCRIBE THE PRODUCT FROM THE POINT OF VIEW OF SAFETY REQUIREMENT. IT IS NOT TO BE CONSIDERED AS A GUARANTEE OF SPECIFIC PROPERTIES.