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MSDS

Common Name: RUN CAPACITOR**Manufacturer:** ZHEJIANG HUIZHONG INDUSTRIAL TRADING CHINA**MSDS Revision Date:** 5/30/2011**MSDS Format:** No Format Specified

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Manufacturer Model Number(s):

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MATERIAL SAFETY DATA SHEET

REPORT NO.: E05243000816D-1

DATE: 05.30.2011

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: RUN CAPACITOR

SAMPLE CODE: CBB65A, CBB65A-1

MANUFACTURER: ZHEJIANG HUIZHONG INDUSTRIAL TRADING CO.,LTD.

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENT



CHEMICAL NAME	CAS NO.	IN % BY WEIGHT
Al CASE	7429-90-5	10
MPP	9003-07-0	40
Fe	7439-89-6	4
VEGETABLE OIL	8002-13-9	24
MICROCRYSTAL WAX	8001-75-0	6
Zn	7440-66-6	7
Sn	7440-31-5	2
PP	9003-07-0	6
Cu	7440-50-8	1

SECTION 3 - HAZARDS IDENTIFICATION



EYES:

MAY CAUSE IRRITATION TO EYES. CONTACT WITH MOLTEN MATERIAL MAY CAUSE THERMAL BURNS.

SKIN:

MAY CAUSE SKIN IRRITATION INDIVIDUAL. CONTACT WITH MOLTEN MATERIAL MAY CAUSE THERMAL BURNS.

INHALATION:

MAY CAUSE RESPIRATORY TRACT IRRITATION. MELT PROCESSING FUMES OR VAPORS MAY CAUSE RESPIRATORY IRRITATION.

INGESTION: MAY BE HARMFUL IF SWALLOWED.

SECTION 4 - FIRST AID MEASURES



EYE:

IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF EASY TO DO, REMOVE CONTACT LENSES. GET MEDICAL AID.

SKIN:

REMOVE CONTAMINATED CLOTHING/SHOES. FLUSH SKIN WITH PLENTY OF WATER. GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.

INHALATION:

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

SECTION 5 - FIRE FIGHTING MEASURES



FLASH POINT: >100 DEG. C(CLOSED CUP) (VEGETABLE OIL).

FLAMMABILITY: NON-FLAMMABLE(VEGETABLE OIL).

EXTINGUISHING MEDIA:

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

FIREFIGHTING:

WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

DECOMPOSITION PRODUCTS:

CARBON OXIDES, ACRYLEIN, FORMALDEHYDE-LIKE, METAL OXIDES, OTHER IRRITATION OR TOXIC FUME OR MIST.

SECTION 6 - ACCIDENTAL RELEASE MEASURES



AT LONG INDUSTRIAL CONDITION, REFERENCE AS FOLLOW:

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

VENTILATE AND EVACUATE AREA. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AS SPECIFIED IN SECTION 8. SWEEP UP USING A METHOD THAT DOES NOT GENERATE DUST. COLLECT AS MUCH OF THE SPILLED MATERIAL AS POSSIBLE, PLACED THE SPILLED MATERIAL INTO A SUITABLE DISPOSAL CONTAINER. KEEP SPILLED MATERIAL OUT OF SEWERS, DITCHES AND BODIES OF WATER.

WASTE DISPOSAL METHOD:

USE WASTE DISPOSAL METHODS IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS.

SECTION 7 - HANDLING AND STORAGE



HANDLING:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME, OTHER IGNITION SOURCES. PROTECT FROM DIRECT SUNLIGHT. AVOID EYE CONTACT. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH SKIN WITH SOAP AND WATER AFTER CONTACT. DO NOT CUT, WELDING, HEATING, AIR DRILLING OR PRESSURIZED CONTAINERS.

STORAGE:

STORE IN A COOL, DRY AND WELL-VENTILATED PLACE. CONSUMPTION OF FOOD AND BEVERAGE SHOULD BE AVOIDED IN WORK AREAS. WASH HANDS WITH SOAP AND WATER BEFORE EATING, DRINKING. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES, SUCH AS STRONG OXIDIZING AGENTS, CHLORINE, PERMANGANATES, E.G. POTASSIUM PERMANGANATE.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION



NO NEED UNDER NORMAL USE. AT LONG INDUSTRIAL CONDITION, REFERENCE AS FOLLOW:

ENGINEERING CONTROLS:

KEEP WORKROOM CONCENTRATION BELOW CURRENT APPLICABLE OSHA SAFETY AND HEALTH REQUIREMENTS. IF NECESSARY, CONFIGURE THE EXPLOSION-PROOF, ANTI-STATIC DEVICES.

RESPIRATORY PROTECTION:

APPROPRIATE VAPOR CANISTER, SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR HOSE MASK BELOW CURRENT APPLICABLE OSHA SAFETY AND HEALTH REQUIREMENTS.

PERSONAL PROTECTION:

SAFETY GLASSES, PROTECTIVE GLOVES, AND LAB COAT, EYE WASHER AND SAFETY SHOWER IF NEEDED.

EXPOSURE LIMITS:

Al CASE:

OSHA PEL: 15 MG/M3 TOTAL DUST (TWA), 5 MG/M3 RESPIRABLE FRACTION (TWA).
ACGIH TLV: 1 MG/M3 RESPIRABLE FRACTION.

Fe:

OSHA TWA: 10.0 MG/M3 AS OXIDE DUST AND FUME.
ACGIH TLV: 5.0 MG/M3 AS OXIDE FUME.

VEGETABLE OIL:

OSHA PEL: 10.0 MG/M3 TWA.

Sn:

OSHA TWA: 2 MG/M3 TWA AS Sn.
ACGIH TLV: 2 MG/M3 TWA, 2 MG/M3 TWA EXCEPT TIN HYDRIDE, AS Sn.

Cu:

OSHA TWA: 0.1 MG/M3 AS FUME; 1.0 MG/M3 AS DUST.
ACGIH TLV: 0.2 MG/M3 AS FUME; 1.0 MG/M3 AS DUST.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES



pH: 7.0 (VEGETABLE OIL; 27 DEG. C, 59%RH).

FLASH POINT: >100 DEG. C(CLOSED CUP) (VEGETABLE OIL).

FLAMMABILITY: NON-FLAMMABLE(VEGETABLE OIL).

SOLUBILITY IN WATER: DIFFICULT SOLUBLE IN WATER(VEGETABLE OIL).

APPEARANCE AND ODOR:

SLIVER, CYLINDRICAL WITH ODORLESS SOLID (VEGETABLE OIL:
GOLDEN YELLOW WITH SLIGHTLY IRRITATION ODOR LIQUID).

CHEMICAL USES: AIR CONDITIONING RUN CAPACITOR.

SECTION 10 - STABILITY AND REACTIVITY



STABILITY: STABLE UNDER NORMAL CONDITION.

CONDITIONS TO AVOID:

HEATING, SPARKS, OPEN FLAME, MECHANICAL ABUSE AND ELECTRICAL ABUSE.

INCOMPATIBILITIES:

STRONG OXIDIZING AGENTS, CHLORINE, PERMANGANATES, E.G. POTASSIUM PERMANGANATE.

HAZARDOUS COMBUSTIBLE PRODUCTS:

CARBON OXIDES, ACROLEIN, FORMALDEHYDE-LIKE, METAL OXIDES, OTHER IRRITATION OR TOXIC FUME OR MIST.

SECTION 11 - TOXICOLOGICAL INFORMATION**ACUTE TOXICITY:****Fe:**

ORAL LD50 FOR RAT: 30 G/KG.

Cu:

ORAL LD50 FOR MOUSE: 3.5 MG/KG (INTRAPERITONEAL).

SECTION 12 - ECOLOGICAL INFORMATION**ECOTOXICOLOGY:****Zn:**

TOXICITY TO CYPRINUS CARPIO (CARP) LC50: 450 (MICRO)G/L/96 H.

TOXICITY TO DAPHNIA MAGNA (WATER FLEA) LC50: 0.068 MG/L/ 48 H.

ENVIRONMENTAL EFFECT:

REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES. U.S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS.

SECTION 13 - DISPOSAL CONSIDERATIONS**DISPOSAL TREATMENT:**

ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED.

SECTION 14 - TRANSPORT INFORMATION

THE RUN CAPACITOR IS EXEMPT FROM DANGEROUS GOODS. IT IS CONSIDERED NON-DANGEROUS GOODS BY THE SPECIAL PROVISION 188 OF IMDG, OR THE TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT OF DANGEROUS GOODS (TI).

TRANSPORT FASHION: BY SEA, BY RAILWAY.

SECTION 15 - REGULATORY INFORMATION**LAW INFORMATION:**

DANGEROUS GOODS REGULATION

RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS MODEL REGULATIONS

INTERNATIONAL MARITIME DANGEROUS GOODS
TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT OF DANGEROUS GOODS
CLASSIFICATION AND CODE OF DANGEROUS GOODS
OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
TOXIC SUBSTANCES CONTROL ACT (TSCA)
CONSUMER PRODUCT SAFETY ACT (CPSA)
FEDERAL ENVIRONMENTAL POLLUTION CONTROL ACT (FEPCA)
THE OIL POLLUTION ACT (OPA)
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT TITLE III
(302/311/312/313) (SARA)
RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)
SAFETY DRINKING WATER ACT (CWA)
CALIFORNIA PROPOSITION 65
CODE OF FEDERAL REGULATIONS (CFR)
IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS.

SECTION 16 - ADDITIONAL INFORMATION



THE ABOVE INFORMATION IS BASED ON THE DATA OF WHICH WE ARE AWARE AND IS BELIEVED TO BE CORRECT AS OF THE DATA HEREOF. SINCE THIS INFORMATION MAYBE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH MAY BE UNFAMILIAR AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATA HEREOF MAY SUGGEST MODIFICATIONS OF THE INFORMATION, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE. THIS INFORMATION IS FURNISHED UPON CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.

EDITED BY:

CHECKED BY:

APPROVED BY:

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