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 | MATERIAL SAFETY DATA SHEET |
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 | SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION |
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PRODUCT NAME : COLD GALVANIZING COMP 9704981
 IDENTIFICATION NUMBER: A21 8500402
 DATE PRINTED : 04/10/98

PRODUCT USE/CLASS : CUSTOM COATING/ALKYD

| | |
|---|---|
| SUPPLIER: Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, Illinois 60061 USA | MANUFACTURER: Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, Illinois 60061 USA |
|---|---|

| | |
|--|--|
| (847) 367-7700 Rust-Oleum Corp. Mon.-Fri, 8:00 AM-4:30 PM | (847) 367-7700 Rust-Oleum Corp. Mon.-Fri, 8:00 AM-4:30 PM |
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PREPARER: LJW, PHONE: , PREPARE DATE: 04/10/98

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 | SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS |
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| ITEM | CHEMICAL NAME | CAS NUMBER | WT/WT % LESS THAN |
|------|-----------------------|------------|----------------------|
| 01 | Zinc Dust | 7440-66-6 | 80.0 % |
| 02 | XYLENE | 1330-20-7 | 15.0 % |
| 03 | ETHYLBENZENE | 100-41-4 | 5.0 % |
| 04 | ALIPHATIC HYDROCARBON | 64742-47-8 | 5.0 % |

| ITEM | EXPOSURE LIMITS | | | | | |
|---------|-----------------|---------|-------------|---------|---------|------|
| | ACGIH | | OSHA | | MEXICAN | SKIN |
| TLV-TWA | TLV-STEL | PEL-TWA | PEL-CEILING | TLV-TWA | | |
| 01 | N.E. | N.E. | N.E. | N.E. | N.E. | NO |
| 02 | 100PPM | 150PPM | 100PPM | N.E. | N.E. | NO |
| 03 | 100 PPM | 125 PPM | 100 PPM | N.E. | N.E. | NO |
| 04 | 100 PPM | N.E. | N.E. | N.E. | N.E. | NO |

(See Section 16 for abbreviation legend)

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 | SECTION 3 - HAZARDS IDENTIFICATION |
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*** EMERGENCY OVERVIEW ***: Harmful if swallowed. Causes (target organ or system) damage. Causes eye irritation. Flammable liquid and vapor. Causes nose and throat irritation. High vapor concentrations can irritate

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| SECTION 3 - HAZARDS IDENTIFICATION |
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eyes, nose and respiratory passages.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated skin contact may cause irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

EFFECTS OF OVEREXPOSURE - INGESTION: Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen and eye damage as well as anemia. Effects in humans have included liver and cardiac abnormalities.

PRIMARY ROUTE(S) OF ENTRY: SKIN ABSORPTION INHALATION EYE CONTACT

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| SECTION 4 - FIRST AID MEASURES |
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FIRST AID - EYE CONTACT: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

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| SECTION 5 - FIRE FIGHTING MEASURES |
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FLASH POINT: 41 F

LOWER EXPLOSIVE LIMIT: 1.0 %

UPPER EXPLOSIVE LIMIT: 7.0 %

AUTOIGNITION TEMPERATURE: ND

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SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Isolate from heat, electrical equipment, sparks and open flame.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Evacuate area and fight fire from a safe distance.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Eliminate all ignition sources; use explosion-proof equipment. Place material in a container and dispose of according to local, provincial, state and federal regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace

conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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 | SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION |
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SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking.

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 | SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES |
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| | | | |
|---|---------------|-------------------|-----------------------|
| BOILING RANGE | : 276 - 284 F | VAPOR DENSITY | : Is heavier than air |
| ODOR | : SOLVENT | ODOR THRESHOLD | : ND |
| APPEARANCE | : LIQUID | EVAPORATION RATE: | Is slower than Ether |
| SOLUBILITY IN H2O | : SLIGHT | | |
| FREEZE POINT | : ND | SPECIFIC GRAVITY: | 2.7533 |
| VAPOR PRESSURE | : ND | pH @ 0.0 % | : ND |
| PHYSICAL STATE | : LIQUID | VISCOSITY | : ND |
| COEFFICIENT OF WATER/OIL DISTRIBUTION: ND | | | |

(See Section 16 for abbreviation legend)

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 | SECTION 10 - STABILITY AND REACTIVITY |
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CONDITIONS TO AVOID: Avoid all possible sources of ignition.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: By open flame, carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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 | SECTION 11 - TOXICOLOGICAL PROPERTIES |
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COMPONENT TOXICOLOGICAL INFORMATION:

| | | | | | | |
|-------|---------------|-------|------|-------|------|-------|
| ----- | CHEMICAL NAME | ----- | LD50 | ----- | LC50 | ----- |
| | Zinc Dust | | N.A. | | N.A. | |

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| SECTION 11 - TOXICOLOGICAL PROPERTIES |
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| ----- CHEMICAL NAME ----- | ----- LD50 ----- | ----- LC50 ----- |
|---------------------------|------------------|------------------|
| XYLENE | RAT 4300MG/KG | RAT 5000PPM 4HR |
| ETHYLBENZENE | RAT 3500MG/KG | N.A. |
| ALIPHATIC HYDROCARBON | >25 ml/kg (rat) | >700ppm-4hr(rat) |

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| SECTION 12 - ECOLOGICAL INFORMATION |
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ECOLOGICAL INFORMATION: Product is a mixture of listed components.

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| SECTION 13 - DISPOSAL CONSIDERATIONS |
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DISPOSAL METHOD: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

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| SECTION 14 - TRANSPORTATION INFORMATION |
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DOT PROPER SHIPPING NAME: PAINT

DOT TECHNICAL NAME:

DOT HAZARD CLASS: 3

HAZARD SUBCLASS:

DOT UN/NA NUMBER: UN1263

PACKING GROUP: III

RESP. GUIDE PAGE: 127

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| SECTION 15 - REGULATORY INFORMATION |
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U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD

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| SECTION 15 - REGULATORY INFORMATION |
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SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

| ----- CHEMICAL NAME ----- | CAS NUMBER | WT/WT % | IS LESS THAN |
|---------------------------|------------|---------|--------------|
| XYLENE | 1330-20-7 | | 15.0 % |
| ETHYLBENZENE | 100-41-4 | | 5.0 % |

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

| ----- CHEMICAL NAME ----- | CAS NUMBER |
|------------------------------|------------|
| No information is available. | |

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

| ----- CHEMICAL NAME ----- | CAS NUMBER |
|---------------------------|------------|
| EPOXY ESTER RESIN | 66070-75-5 |

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

| ----- CHEMICAL NAME ----- | CAS NUMBER |
|---------------------------|------------|
| EPOXY ESTER RESIN | 66070-75-5 |

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

| ----- CHEMICAL NAME ----- | CAS NUMBER |
|--|------------|
| According to our raw material suppliers no Proposition 65 chemicals exist in this product. | |

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

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| SECTION 16 - OTHER INFORMATION |
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HMIS RATINGS - HEALTH: FLAMMABILITY: REACTIVITY:

PREVIOUS MSDS REVISION DATE: 01/05/98

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

: No Information.

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.
