

ZIP-CHEM PRODUCTS/ MITANN INC DBA ZIP-CHEM PRODUCTS -- CALLA 296 -- 6850-01-485-5950  
===== Product Identification =====

Product ID:CALLA 296  
MSDS Date:10/16/2000  
FSC:6850  
NIIN:01-485-5950  
Status Code:A  
MSDS Number: CLNLF  
=== Responsible Party ===  
Company Name:ZIP-CHEM PRODUCTS/ MITANN INC DBA ZIP-CHEM PRODUCTS  
Address:400 JARVIS DR  
City:MORGAN HILL  
State:CA  
ZIP:95037  
Country:US  
Info Phone Num:408  
-782-2500  
Emergency Phone Num:1-800-424-9300  
Preparer's Name:J. SMITH  
CAGE:1KQX9  
=== Contractor Identification ===  
Company Name:RELIANCE AEROPRODUCTS INTL INC  
Address:950 S 6TH AVE  
Box:City:MANSFIELD  
State:TX  
ZIP:76063  
Country:US  
Phone:817-453-8829  
Contract Num:SP0450-02-M-M021  
CAGE:0TAN3  
Company Name:ZIP-CHEM PRODUCTS/ MITANN INC DBA ZIP-CHEM PRODUCTS  
Address:400 JARVIS DR  
Box:City:MORGAN HILL  
State:CA  
ZIP:95037  
Country:US  
Phone:408-782-2500  
CAGE:1KQX9

===== Composition/Information on

Ingredients =====

Ingred Name:HAZARDOUS INGREDIENT(S): NONE

= Wt:100.

Code:F

Other REC Limits:NOT DETERMINED

===== Hazards Identification =====

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE HEALTH EFFECTS: BREATHING HIGH CONCENTRATIONS OF VAPORS MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT. EYE/SKIN: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE NAUSEA OR VOMITING. CHRONIC HEALTH EF FECTS: PRO

LONGED EXPOSURE TO

EXTREMELY HIGH CONCENTRATIONS OF THE VAPORS MAY CAUSE IRRITATION TO THROAT AND NOSE. PROLONGED OR REPEATED CONTACT MAY CAUSE DRY SKIN.

Effects of Overexposure:INHALATION: ACUTE-IRRITATION OF NOSE & THROAT MAY OCCUR FROM BREATHING HIGH CONCENTRATIONS. CHRONIC-BREATHING EXTREMELY HIGH CONCENTRATIONS OF THE VAPORS MAY LEAD TO IRRITATION OF NOSE & THROAT. SKIN : ACUTE-MAY CAUSE IRRITATION.

CHRONIC-PROLONGED OR REPEATED CONTACT MAY CAUSE DRY SKIN. EYE: MAY CAUSE IRRITATION. INGESTION: ACUTE-MAY CAUSE NAUSEA OR VOMITING.

CHRONIC-IF LARGE QUANTITIES ARE SWALLO WED, DO NOT INDUCE VOMITING AS IT MIGHT CAUSE ASPIRATION OF VOMITUS INTO THE LUNGS. DRINK LOTS OF WATER & SEE PHYSICIAN.

Medical Cond Aggravated by Exposure:NONE KNOWN.

===== First Aid Measures =====

First Aid:DO NOT USE EPINEPHRINE IN CONJUNCTION WITH THIS MATERIAL.

EYES: MAY BE AN EYE IRRITANT. FLUSH IMMEDIATELY WITH WATER FOR 15

MINS & TAKE TO PHYSICIAN. SKIN: WASH AFFECTED AREA WITH WATER.

INGESTION: DO NOT INDUCE VOMITING SO AS TO AVOID ASPIRATION OF MATERIAL INTO THE LUNGS. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER & CONTACT A PHYSICIAN. INHALATION: REMOVE FROM EXPOSURE & RESTORE BREATHING. KEEP PERSON CALM. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION & CALL EMERGENCY RESPONSE. IF BREATHING IS DIFFICULT GIVE OXYGEN & CALL EMERGENCY RESPONSE.

===== Fire Fighting Measure

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Flash Point Method:PMCC

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:N/E

Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures:USE STANDARD FIREFIGHTER TECHNIQUES TO FIGHT FIRES INVOLVING THIS MATERIAL. THIS MATERIAL ITSELF IS NOT FLAMMABLE.

Unusual Fire/Explosion Hazard:SENSITIVITY TO MECHANICAL IMPACT: NOT SENSITIVE. SENSITIVITY TO STATIC DISCHARGE: NOT SENSITIVE.

===== Accidental Release M

asures =====

Spill Release Procedures:SPILL MITIGATION-STOP SOURCE OF SPILL AS SOON AS POSSIBLE & NOTIFY APPROPRIATE PERSONNEL. BURN AROUND SPILL AREA TO PREVENT SPILL FROM SPREADING. VENTILATE AREA. LAND SPILL-CREATE A TRENCH TO CONTAIN MATERIALS. ABSORB SPILLED MATERIALS WITH SAND, CLAY OR EARTH. DO NOT PLACE MATERIALS BACK IN THEIR ORIGINAL CONTAINER. AIR RELEASE-VAPORS MAY BE SUPPRESSED BY USE OF WATER FOG OR SPRAY.

===== Handling an

d Storage =====

Handling and Storage Precautions:STORE IN A COOL DRY WELL-VENTILATED PLACE. STORE AT TEMPERATURES BELOW 120F. DO NOT STORE OR USE NEAR HEAT, SPARKS, OR FLAMES. AVOID BREATHING VAPORS. VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS AND OTHER CONFINED AREAS.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES AND CLOTHING. UPON CONTACT WITH SKIN OR EYES WASH OFF WITH WATER.

SHELF LIFE LIMITATIONS: 36 MONTHS FROM DATE OF SHIPMENT (DOS).

INCOMPATIBLE MATERIALS FOR STORAGE OR TRANSPORT: STRONG OXIDIZING AGENTS. INCOMPATIBLE MATERIALS FOR PACKAGING: N/A.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:BREATHING APPARATUS IS NOT REQUIRED FOR USE OR THIS PRODUCT. HOWEVER, IF BREATHING APPARATUS IS NECESSARY FOR APPLICATION USE MASK FOR ORGANIC VAPORS. REFER TO NIOSH PUBLICATION NO. 89-105 AND NIOSH N O. 87-116. SEE OSHA REQUIREMENT UNDER 29 CF

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1910.1025 AND 29 CFR 1910.134.

Ventilation:LOCAL OR MECHANICAL TO KEEP SECTION 11 INGREDIENTS BELOW THEIR EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS RECOMMENDED

Eye Protection:SAFETY GLASSES RECOMMENDED

Other Protective Equipment:GLOVES, BOOTS, APRON, PROTECTIVE SUIT.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = N

OT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM. GI

= GASTROINTESTINAL. SCBA = SELF CONTAINED BREATHING APPARATUS.

===== Physical/Chemical Properties =====

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT DETERMINED

Melt/Freeze Pt:M.P/F.P Text:NOT DETERMINED

Decomp Temp:Decomp Text:NOT DETERMINED

Vapor Pres:NOT DETERMINED

Vapor Density:> AIR

Spec Gravity:1.0

VOC Pounds/Gallon:121

pH:8-9

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:SLOWER THAN

HAN ETHER

Solubility in Water:SOLUBLE

Appearance and Odor:STRAW COLOR LIQUID - SLIGHT ODOR

Percent Volatiles by Volume:80 BY WEIGHT

Corrosion Rate:NOT PROVIDED

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:TEMPERATURES ABOVE 120F (49C).

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE.

===== Toxicological Information =====

Toxicol

ogical Information:INTERACTION WITH OTHER CHEMICALS THAT ENHANCE TOXICITY: NONE KNOWN. ACUTE TARGET ORGAN TOXICITY: NO ORGANS KNOWN TO BE DAMAGED FROM EXPOSURE TO THIS PRODUCT. CHRONIC TOXICITY ORGANS TOXICITY: THERE ARE NO KNOWN EFFECTS FROM REPEATED EXPOSURE. REPRODUCTIVE & DEVELOPMENTAL TOXICITY: THERE ARE NO KNOWN OR REPORTED EFFECTS ON REPRODUCTIVE FUNCTION OR FETAL DEVELOPMENT. MUTAGENICITY: THIS PRODUCT IS NOT KNOWN TO BE MUTAGENIC. EXPOSURE LIMITS: NOT DETERMINED.

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Ecological Information  
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Ecological:AQUATIC TOXICITY: NONE KNOWN OR REPORTED.

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Disposal Considerations  
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Waste Disposal Methods:SPILLED MATERIAL COLLECTED IN ABSORBENT MATERIAL SHOULD BE TRANSFERRED TO STEEL DISPOSAL OR RECOVERY DRUMS. IF THIS PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER 40 CFR 261, IN THAT IT DOES NOT EXHIBIT THE CHARACTERISTICS OF HAZARDOUS WASTE UNDER SUBPART D. FOLLOW GOVERNMENTAL REGULATIONS BY INCINERATION.

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MSDS Transport Information  
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Transport Information:DOT SHIPPING NAME: DOT NON-REGULATED (SOAP). DOT HAZARD CLASS: NONE. DOT PACKING GROUP: NONE. DOT REPORTABLE QUANTITY: NONE.

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Regulatory Information  
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SARA Title III Information:SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT TITLE III (SARA): SECTION 302/304: NONE LISTED. SECTION 311 AND 312: BASED UPON AVAILABLE INFORMATION THIS MATERIAL AND/OR COMPONENTS IS CLASSIFIED AS A HEALTH AND/OR PHYSICAL HAZARD ACCORDING TO SECTION 311 AND 312. SECTION 313: THIS MATERIAL DOES NOT CONTAIN ANY CHEMICALS WITH KNOWN CAS NUMBERS SUBJECT TO REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 AND 40 CFR PART 372.

Federal Regulatory Information:TOXIC SUBSTANCE CONTROL ACT (TSCA): THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA

A INVENTORY.

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA): THIS MATERIAL DOES NOT CONTAIN CHEMICAL(S) WITH KNOWN CAS NUMBERS CLASSIFIED AS HAZARDOUS SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF CERCLA (40 CFR 302) AND TO THE RELEASE REPORTING REQUIREMENTS OF SARA (SECTION 302) BASED ON REPORTABLE QUANTITIES (RQS). OSHA REGULATIONS: DO NOT APPLY.

State Regulatory Information: CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT

ACT OF 1988 - PROPOSITION 65: THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICALS CURRENTLY LISTED AS CARCINOGENS OR REPRODUCTIVE TOXINS UNDER CALIFORNIA PROPOSITION 65 AT LEVELS WHICH WOULD BE SUBJECT TO THE PROPOSITION. MASSACHUSETTS - RIGHT-TO-KNOW SUBSTANCE LIST (MSL) (105 CMR 670.000]: NONE. PENNSYLVANIA RIGHT-TO-KNOW HAZARDOUS SUBSTANCE LIST. NONE.

===== Other Information =====

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