View NSN Online: https://aerobasegroup.kr/nsn/6640-01-462-5692

CHEMETRICS INC -- R-5511, CHLORINE CHEMETS, ULR CHEMETS, VACUETTES AND(SUPDAT) -- 6640-01-462-5692

Product ID:R-5511, CHLORINE CHEMETS, ULR CHEMETS, VACUETTES AND(SUPDAT) MSDS Date:02/01/1999 FSC:6640 NIIN:01-462-5692 MSDS Number: CJRKT === Responsible Party === **Company Name: CHEMETRICS INC** Address:ROUTE 28 City:CALVERTON State:VA ZIP:20138 Country:US Info Phone N um:800-356-3072; 540-788-9026 Emergency Phone Num:703-590-9204; 540-439-3860 CAGE:7K791 === Contractor Identification === Company Name: CHEMETRICS INC Address:ROUTE 28 Box:City:CALVERTON State:VA ZIP:22016 Country:US Phone:800-356-3072; 540-788-9026 CAGE:7K791 Ingred Name: FORMALDEHYDE SOLUTION, 37% CAS:50-00-0 RTECS #:LP8925000 < Wt:.2 OSHA PEL:3 PPM, C ACGIH TLV:2 PPM, C ACGIH STEL:C0.37 MG/M3;C0.3 PPM EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:PHOSPHORIC AICD, MONOPOTASSIUM SALT; (POTASSIUM PHOSPHATE MONOBASIC) CAS:7778-77-0 RTECS #:TC6615500 = Wt:2.

Ingred Name:METHANOL CAS:67-56-1 RTECS #:PC1400000 = Wt:4. OSHA PEL:260 MG/M3;200 PPM ACGIH TLV:262 MG/M3;200 PPM ACGIH STEL:328 MG/M3;250 PPM EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:WATER; (DEIONIZED WATER) CAS:7732-18-5 RTECS #:ZC0110000 > Wt:93.

Ingred Name:OTHER COMPONENTS & lt; Wt:1.

======= Hazards Identificatio

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: IRRITATION. CHRONIC: IRRITATION AND SENSITIZATION DERMATITIS.
Explanation of Carcinogenicity:FORMALDEHYDE: IARC MONOGRAPHS ON EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 62, PG 217, 1995: GROUP 2A. NTP 8TH ANNUAL REPORT ON CARCINOGENS, 1994: ANTICIPATD TO BE CARCINOGEN. ANIMAL: N ASAL TUMO
RS. OSHA REGULATED: 29 CFR 1910.1048.
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:MAY CAUSE IRRITATION TO EYES, SKIN AND MUCOUS MEMBRANES.

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. INGESTION: SEEK MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR.

Extinguishing Media:DRY CHEMICAL OR CARBON DIOXIDE. Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NFPA RATINGS: HEALTH - 1; FLAMMABILITY - 0; REACTIVITY - 0.
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Spill Release Procedures: TAKE UP WITH ABSORBENT MATERIAL. PLACE IN SMALL CONTAINERS FOR DISPOSAL.
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Handli ng and Storage Precautions:PRODUCT SHOULD BE STORED IN THE DARK AND AT ROOM TEMPERATURE; HOWEVER, TEMPERATURES UP TO 120F OR EVEN BELOW FREEZING WILL NOT NORMALLY AFFECT REAGENT PERFORMANCE. AVOID CONTACT WITH EYES. FRAGILE: LI QUID IN GLASS. HANDLE WITH CARE. Other Precautions:ALWAYS WEAR EYE PROTECTION WHEN WORKING WITH THESE AMPOULES. WARNING: DO NOT BREAK TIP OF AMPOULE UNLESS IT IS COMPLETELY IMMERSED IN YOUR SAMPLE. BREAKING TIP IN AIR MAY CUSE GLASS AMPOULE TO SHAT TER . IF THIS PROD IS USED AS DIRECTED, THE USER WILL NOT COME IN CONTACT WITH OR BE EXPOSED TO ANY OF I TS CHEM COMPONENTS.
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Respiratory Protection:NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN . Protective Gloves:IMPERVIOUS GLOVES . Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES . Other Protective Equipment:EYE WASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA . Work Hygienic Practices:W ASH THOROUGHLY AFTER HANDLING. Supplemental Safety and Health MFR'S TRADE NAME/PART NO: VACU-VIALS. MFR INFO: FAX # (540) 788-4856 - E-MAIL TECHINFO @ CHEMETRICS COM.
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Boiling Pt:=95.C, 203.F Melt/Freeze Pt:=0.C, 32.F Spec Gravity:1 (H*2O=1) pH:4 Solubility in Water:COMPLETE Appearance and Odor:COLORLESS LIQUID; NO ODOR.
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Stability Indicator/Materials to

## Avoid:YES Hazardous Decomposition Products:NONE.

Toxicological Information: ANIMAL TOXICOLOGY: TEST FOR DOT HAZARD CLASSIFICATION: TEST ON NA2O X-TYPE SIEVES GAVE THE FOLLOWING RESULTS: 1-HOUR LC50 (RAT) > 2.8 MG/L. 48-HOUR DERMAL LD50 (RABBIT) EST. > 2,000 MG/KG. NOT CONSIDE RED AN OCULAR IRRITANT. TESTS FOR FDA APPROVAL FOR USE IN FOODS: NOT A FOOD-GRADE PRODUCT. HUMAN TOXICOLOGY: MOLECULAR SIEVES ARE NON-F **IBROUS, SYNTHETIC** AHUMANSILICATES (ZEOLITES) NOT TO BE CONFUSED W ITH NATURAL ZEOLITES. ALL STUDIES TO DATE INDICATE THAT THEY DO NOT CAUSE SIGNIFICANT HEALTH PROBLEMS. Ecological:NOT KNOWN TO HAVE ANY ADVERSE EFFECT ON THE AQUATIC EVNIRONMENT WHEN PROPERLY DISPOSED. INSOLUBLE AND NONTOXIC. Waste Disposal Methods: DISPOSE OF I/A/W ALL FEDERAL , STATE AND LOCAL **REGULATIONS.** Transport Information: DOT: NOT CLASSIFIED AS A HAZARDOUS MATERIAL. SARA Title III Information: EPA-THIS PRODUCT CONTAINS NO TOXIC CHEMICALS IN EXCESS OF THE APPLICABLE DE MINIMIS CONCENTRATIONS AS SPECIFIED UNDER 313 OF TITLE III SARA. Federal Regulatory Information: TSCA: EPA HAS DEFINED ZEOLITES AS COMPLEX PRO DUCTS CONSISTING OF SILICA (SIO2) AND ALUMINA (AL2O3), IN VARIOUS PROPORTIONS PLUS METALLIC OXIDES AND CERTAIN CATIONS. FOR PURPOSES OF TSCA, ZEOLITES ARE STATUTORY MIXTURES. OSHA-PEL: MOLECULAR SIEVE-NOT LISTED IN 29 CFR 1910.1000. USDA--NOT APPLICABLE. FDA--NOT APPLICABLE.

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