

# Material Safety Data Sheet

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## SECTION I - Material Identity

Item Name..... TALC, TECHNICAL POWDER FORM  
Part Number/Trade Name..... TALC, TECHNICAL POWDER FORM  
National Stock Number..... 6810002709990  
CAGE Code..... OSTM5  
Part Number Indicator..... A  
MSDS Number..... 173630  
HAZ Code..... B

## SECTION II - Manufacturer's Information

Manufacturer Name..... VAN WATERS AND ROGERS INC  
Street..... 6100 CARILLON PT  
City..... KIRKLAND  
State..... WA  
Country..... US  
Zip Code..... 98033  
Emergency Phone..... 909-864-2310, 800-424-9300 (CHEMTREC)  
Information Phone..... 909-864-2310

## MSDS Preparer's Information

MSDS Preparer Name..... C.A.EISENHARD  
Date MSDS Prepared/Revised..... 01SEP93  
Date of Technical Review..... 18NOV80  
Active Indicator..... N  
Item Manager..... CX

## Alternate Vendors

Vendor #1 Name..... CHEMICAL COMMODITIES AGENCY, INC.  
Vendor #1 CAGE..... 60777  
Vendor #5 CAGE..... BSKTN

## SECTION III - Physical/Chemical Characteristics

Specification Number..... ZZ-T-416  
Specification Type/Grade/Class..... TYPEIV CLASS C  
Hazard Storage Compatibility Code..... N1  
NRC License Number..... N/R  
Net Propellant Weight (Ammo)..... N/R  
Appearance/Odor..... WHITE POWDER. NO ODOR.

Boiling Point..... N/R  
 Melting Point..... UNKNOWN  
 Vapor Pressure..... N/R  
 Vapor Density..... N/R  
 Specific Gravity..... 2.5-2.8  
 Decomposition Temperature..... UNKNOWN  
 Evaporation Rate..... NOT APPLICABLE  
 Solubility in Water..... INSOLUBLE.  
 Chemical pH..... N/K  
 Corrosion Rate..... UNKNOWN  
 Container Type..... F  
 Container Pressure Code..... 4  
 Temperature Code..... 8  
 Product State Code..... U

#### SECTION IV - Fire and Explosion Hazard Data

Flash Point Method..... UNK  
 Lower Explosion Limit..... N/R  
 Upper Explosion Limit..... N/R  
 Extinguishing Media..... NON-FLAMMABLE. USE MEDIA APROPRIATE FOR SURROUNDING COMBUSTIBLES.  
 Special Fire Fighting Procedures..... USE WATER SPRAY TO WET DOWN MATERIAL TO REDUCE AIRBORNE PARTICULATE LEVELS. FIREFIGHTERS SHOULD USE SCBA WHEN THIS FINE POWDER IS AIRBORNE IN A FIRE SITUATION.  
 Unusual Fire/Explosion Hazards..... NONE SPECIFIED BY MANUFACTURER.

#### SECTION V - Reactivity Data

Stability..... YES  
 Stability Conditions to Avoid..... NONE KNOWN.  
 Materials to Avoid..... NONE.  
 Hazardous Decomposition Products..... NONE.  
 Hazardous Polymerization..... NO  
 Polymerization Conditions to Avoid..... WILL NOT OCCUR.  
 LD50 - LD50 Mixture..... ORAL LD50 (RAT) IS UNKNOWN.

#### SECTION VI - Health Hazard Data

Route of Entry: Skin..... YES  
 Route of Entry: Ingestion..... YES  
 Route of Entry: Inhalation..... YES  
 Health Hazards - Acute and Chronic..... EYES: ABRASION MAY CAUSE EYE IRRITATION. SKIN: ABRASION MAY CAUSE SKIN IRRITATION. INHALATION: MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT. LONG TERM, EXCESSIVE EXPOSURE MAY CAUSE SEVERE AND PERMANENT DAMAGE TO THE LUNGS. INGESTION:

NONE SPECIFIED BY MANUFACTURER.

Carcinogenity: NTP..... NO  
 Carcinogenity: IARC..... NO  
 Carcinogenity: OSHA..... NO  
 Symptoms of Overexposure..... EYES: IRRITATION. SKIN: IRRITATION.  
 INHALATION: IRRITATION OF UPPER  
 RESPIRATORY TRACT, SEVERE AND PERMANENT  
 LUNG DAMAGE. INGESTION: NONE SPECIFIED BY  
 MANUFACTURER..

Medical Cond. Aggrevated by Exposure.... NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Procedures..... EYES: FLUSH WITH LARGE AMOUNTS OF WATER.  
 IF IRRITATION PERSISTS, GET MEDICAL  
 ATTENTION. SKIN: REMOVE CONTAMINATED  
 CLOTHING. WASH AREA WITH SOAP AND WATER.  
 INHALATION: MOVE TO FRESH AIR. IF ADVERSE  
 SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.  
 INGESTION: IF CONSCIOUS, GIVE LARGE  
 AMOUNTS OF WATER TO INDUCE VOMITING. GET  
 MEDICAL ATTENTION.

## SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled..... VACUUM OR SCOOP UP SPILLED MATERIAL FOR  
 RECOVERY OR DISPOSAL. AVOID GENERATING  
 DUST AND PROVIDE GOOD VENTILATION. WETTING  
 SPILL WITH WATER SPRAY MAY HELP KEEP  
 AIRBORNE DUST LEVELS DOWN. CLEAN UP  
 PERSONNEL SHOULD USE RESPIRATORY  
 PROTECTION FOR DUST.

Neutralizing Agent..... NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method..... DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL,  
 STATE AND FEDERAL REGULATIONS. TALC IS NOT  
 CONSIDERED TO BE A RCRA HAZARDOUS WASTE  
 AND MAY BE DISPOSED OF IN A SITE SUITABLE  
 FOR INDUSTRIAL WASTES.

Handling and Storage Precautions..... RE IN DRY AREA. PROTECT CONTAINERS FROM  
 PHYSICAL DAMAGE. GO

Other Precautions..... GOOD INDUSTRIAL PRACTICE REQUIRES THAT  
 EMPLOYEE EXPOSURE BE HELD BELOW  
 RECOMMENDED TLV. THIS IS PREFERABLY  
 ACHIEVED THROUGH PROVISION OF ADEQUATE  
 VENTILATION. WHERE DUST CANNOT BE  
 CONTROLLED, PERSONAL PROTECTION SHOULD BE  
 EMPLOYED.

## SECTION VIII - Control Measures

Respiratory Protection..... IF EXPOSURE LIMITS ARE EXCEEDED, AN  
 APPROPRIATE NIOSH APPROVED DUST RESPIRATOR  
 SHOULD BE USED.

Ventilation..... PROVIDE ADQUATE EXHAUST VENTILATION. AN  
 EXHAUST FILTER SYSTEM MAY BE REQUIRED TO  
 AVOID ENVIRONMENTAL CONTAMINATION.

Protective Gloves..... LEATHER OR RUBBER GLOVES RECOMMENDED.

Eye Protection..... SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES  
Other Protective Equipment..... IMPERVIOUS CLOTHING RECOMMENDED. PROVIDE  
AN EYE WASH STATION AND SAFETY SHOWER.  
Work Hygenic Practices..... WASH AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED  
CLOTHING BEFORE REUSING.  
Disposal Code..... 0

## SECTION IX - Label Data

Protect Eye..... YES  
Protect Skin..... YES  
Protect Respiratory..... YES  
Chronic Indicator..... YES  
Contact Code..... SLIGHT  
Fire Code..... UNKNOWN  
Health Code..... UNKNOWN  
React Code..... UNKNOWN  
Specific Hazard and Precaution..... EYES: ABRASION MAY CAUSE EYE IRRITATION.  
SKIN: ABRASION MAY CAUSE SKIN IRRITATION.  
INHALATION: MAY CAUSE IRRITATION TO THE  
UPPER RESPIRATORY TRACT. LONG TERM,  
EXCESSIVE EXPOSURE MAY CAUSE SEVERE AND  
PERMANENT DAMAGE TO THE LUNGS. INGESTION:  
NONE SPECIFIED BY MANUFACTURER. FIRST AID:  
EYES: FLUSH WITH LARGE AMOUNTS OF WATER.  
IF IRRITATION PERSISTS, GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED  
CLOTHING. WASH AREA WITH SOAP AND WATER.  
INHALATION: MOVE TO FRESH AIR. IF ADVERSE  
SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.  
INGESTION: IF CONSCIOUS, GIVE LARGE  
AMOUNTS OF WATER TO INDUCE VOMITING. GET  
MEDICAL ATTENTION.

## SECTION X - Transportation Data

Container Quantity..... 2  
Unit of Measure..... LB

## SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)..... 0  
Volatile Organic Compounds (G/L)..... 0

## SECTION XII - Ingredients/Identity Information

Ingredient #..... 01  
Ingredient Name..... TALC, MAGNESIUM SILICATE HYDRATE,  
(CONTAINING NO ASBESTOS FIBERS)  
CAS Number..... 14807966  
NIOSH Number..... WW2710000

Proprietary..... NO  
 Percent..... 100%  
 OSHA PEL..... 2 MG/M3 RDUST  
 ACGIH TLV..... 2 MG/M3 RDUST; 9394  
 Recommended Limit..... NONE RECOMMENDED  
 Ingredient #..... 02  
 Ingredient Name..... (ASCPD) ARSENIC (.9 PPM)  
 CAS Number..... 7440382  
 NIOSH Number..... CG0525000  
 Proprietary..... NO  
 Percent..... .00009  
 OSHA PEL..... SEE 1910.1018  
 ACGIH TLV..... 0.01 MG/M3, A1; 9394  
 Recommended Limit..... NONE RECOMMENDED  
 Ingredient #..... 03  
 Ingredient Name..... (CDCPD) CADMIUM (.5 PPM)  
 CAS Number..... 7440439  
 NIOSH Number..... EU9800000  
 Proprietary..... NO  
 Percent..... .00005  
 OSHA PEL..... 0.2 MG/M3 DUST; Z-2  
 ACGIH TLV..... 0.01 MG/M3 DUST;9394  
 Recommended Limit..... NONE RECOMMENDED  
 Ingredient #..... 04  
 Ingredient Name..... (CRCPD) CHROMIUM (VI), (.1 PPM)  
 CAS Number..... 7440473  
 NIOSH Number..... GB4200000  
 Proprietary..... NO  
 Percent..... .00001  
 OSHA PEL..... 1 MG/M3  
 ACGIH TLV..... 0.5 MG/M3; 9394  
 Recommended Limit..... NONE RECOMMENDED  
 Ingredient #..... 05  
 Ingredient Name..... (PBCPD) LEAD (1 PPM)  
 CAS Number..... 7439921  
 NIOSH Number..... OF7525000  
 Proprietary..... NO  
 Percent..... .0001  
 OSHA PEL..... SEE 1910.1025  
 ACGIH TLV..... 0.15 MG/M3, DUST; 9394  
 Recommended Limit..... NONE RECOMMENDED  
 Ingredient #..... 06  
 Ingredient Name..... SILICA, CRYSTALLINE - QUARTZ  
 CAS Number..... 14808607  
 NIOSH Number..... VV7330000  
 Proprietary..... NO  
 Percent..... >.1-<1%

OSHA PEL..... 10 MG/M3 RDUST; Z-3  
ACGIH TLV..... 0.1 MG/M3 RDUST; 9394  
Recommended Limit..... NONE RECOMMENDED

**NOTICE: For additional information, contact BIOENVIRONMENTAL/7-4551**

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