

Material Safety Data Sheet


MPSI

 Mineral and Pigment
Solutions, Inc.

Talc -

C.A.S. Number: 14807-96-6 / MSDS C.A.S. Code: 0663

SUBSTANCE: TALC
MANUFACTURER: LUZENAC AMERICA, INC.
9000 EAST NICHOLS AVENUE
ENGLEWOOD, CO. 80112
1-800-325-0299
1-303-643-0400

 FOR MEDICAL EMERGENCY INFORMATION
CONTACT: 1-303-623-5716 (24 HR.)
ROCKY MOUNTAIN POISON CONTROL CENTER

DISTRIBUTOR: MINERAL AND PIGMENT SOLUTIONS, INC.
1000 COOLIDGE STREET
SOUTH PLAINFIELD, N.J. 07080
1-908-561-6100

SECTION I - SUBSTANCE INFORMATION:

SUBSTANCE: TALC
SYNONYMS: TALCUM, SOAPSTONE, STEATITE
CHEMICAL FAMILY: SILICATE
MOLECULAR FORMULA: $3\text{MgO} \cdot 4\text{SiO}_2 \cdot \text{H}_2\text{O}$
RTEC NUMBER: W2710000
PRODUCT NAMES:

ACT II 200 USP	DOVER 50A
ACT II 400 USP	STERILINE 320V
ALPHA FIL 400 USP	STERILINE 400
ALPHA FIL 500 USP	SUPRA A
ALTALC 200 USP	SUPRA AA
ALTALC 200V USP	SUPRA H
ALTALC 300 USP	SUPRA EF A
ALTALC 300 V USP	SUPRAFINO A
ALTALC 325 USP	SUPRAFINO H
ALTALC 400 USP	TOPNOTE 200
ALTALC 400V USP	OLYMPIC H
ALTALC 500 USP	ULTRAFINO
ALTALC 500 V USP	SUPREME H

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MATERIAL SAFETY DATA

BRILLANTE	IMPERIAL 200 USP
BRILLANTE 150	IMPERIAL 250
BRILLANTE 400	SUPRA A SM
TALC J	IMPERIAL 400 USP
CIMFLX 606	IMPERIAL 500 USP

SECTION II - COMPONENTS:

MAJOR COMPONENT: TALC, CAS NUMBER: 14807-96-6 CONCENTRATION: 97 to 100% (approx.)

MINOR COMPONENTS: TALC IS A NATURALLY OCCURRING MINERAL WHICH MAY, DEPENDING ON THE PRODUCT, CONTAIN VARYING MINOR AMOUNTS OF THE FOLLOWING NON-TALC MINERALS:

DOLOMITE, CAS NUMBER - 16389-88-1	CONCENTRATION:	0 to 3% (approx.)
CHLORITE, CAS NUMBER - 1318-59-8		0 to 3% (approx.)
CALCITE, CAS NUMBER - 13397-26-7		0 to 3% (approx.)
MAGNESITE, CAS NUMBER - 546-93-0		0 to 3% (approx.)

SECTION III - OSHA & ACGIH AIR BORNE DUST EXPOSURE LIMITS:

TALC: 2 mg/cu.m/ OSHA TWA (resp. dust) and 2 mg/cu.m. ACGIH TWA (resp. dust)

DOLOMITE, MAGNESITE: 5 mg/cu.m. OSHA TWA (resp. dust) and 10 mg/cu.m. ACGIH (total dust)

SECTION IV - TOXICITY:

TOXICITY DATA: TUMORGENIC DATA (RTECS).

CARCINOGEN STATUS: HUMAN INADEQUATE EVIDENCE, ANIMAL INADEQUATE EVIDENCE (IARC GROUP 3).

SECTION V - HEALTH EFFECTS & FIRST AID:

INHALATION:

ACUTE EXPOSURE- EXPOSURE TO A LARGE CONCENTRATION OF AIR-BORNE DUST OF THIS MATERIAL MAY CAUSE MECHANICAL IRRITATION OF THE MUCOUS MEMBRANES AND RESPIRATORY TRACT.

CHRONIC EXPOSURE- REPEATED OR PROLONGED INHALATION OF AIR-BORNE DUST OF THIS MATERIAL MAY CAUSE SCARRING OF THE LUNGS (PULMONARY FIBROSIS), WITH SHORTNESS OF BREATH, CHRONIC COUGH, AND RESPIRATORY ASSISTED HEART FAILURE. PROLONGED EXPOSURE TO TALC CAN PRODUCE A MILD SYMPTOMATIC PNEUMOCONTOSIS.

FIRST AID: REMOVE FROM EXPOSURE AREA TO FRESH AIR. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION IMMEDIATELY. KEEP PERSON WARM AND AT REST. TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

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SKIN CONTACT:

- ACUTE EXPOSURE-** DIRECT CONTACT MAY CAUSE DRYNESS, OR MAY CAUSE MILD IRRITATION IF AN ALLERGIC PREDISPOSITION EXISTS.
- CHRONIC EXPOSURE-** PROLONGED CONTACT MAY CAUSE DRYNESS OF THE SKIN, OR MAY CAUSE MILD IRRITATION IF AN ALLERGIC PREDISPOSITION EXISTS.

FIRST AID: APPLY COMMON SKIN MOISTURIZERS TO RELIEVE DRYNESS. IRRITATIONS ARE UNCOMMON; HOWEVER, IF IRRITATION OR REDNESS DEVELOPS, SEEK MEDICAL ATTENTION. BROKEN SKIN CAN BE CLEANSED WITH MILD SOAP AND WATER.

EYE CONTACT:

- ACUTE EXPOSURE-** DIRECT CONTACT WITH DUST MAY CAUSE MECHANICAL IRRITATION OF THE EYES.
- CHRONIC EXPOSURE-** REPEATED EXPOSURE MAY CAUSE CONJUNCTIVAE INFLAMMATION.

FIRST AID: WASH EYES WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE SOLUTION. IF IRRITATION OR REDNESS DEVELOPS, SEEK MEDICAL ATTENTION.

INGESTION:

- ACUTE EXPOSURE-** THIS MATERIAL IS CONSIDERED TO BE HARMLESS AND INERT WHEN INGESTED.
- CHRONIC EXPOSURE-** REPEATED INGESTION OF LARGE DOSES OF TALC FOR 13 AND 10 SUCCESSIVE DAYS BY RABBITS AND MICE, REVEALED NEGATIVE TERATOGENIC AND CARCINOGENIC RESULTS.

FIRST AID: TREAT SYMPTOMATICALLY AND SUPPORTIVELY. IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION.

SECTION VI - FIRE, EXPLOSION & REACTIVITY:

FIRE AND EXPLOSION HAZARDS: NONE
FIRE FIGHTING MEDIA: NONE
FLASH POINT: NONE

REACTIVITY: STABLE
INCOMPATIBILITIES: NONE
DECOMPOSITION: NONE HAZARDOUS.

SECTION VII - PHYSICAL DATA:

DESCRIPTION: SLIGHT EARTHY ODOR, WHITE TO GRAYISH-WHITE, FINE POWDER.
SPECIFIC GRAVITY: 2.7 to 2.8
DECOMPOSITION TEMPERATURE: 1652 to 1832 °F (900 to 1000 °C)
LOSS ON IGNITION (1000 OC): 4.8 to 9.0%
SOLUBILITY IN WATER: INSOLUBLE
pH: SLIGHTLY ALKALINE
HARDNESS: 1.0 to 1.5 MOHS
OTHER SOLVENTS: SOLUBLE IN CONCENTRATED, HOT PHOSPHORIC ACID;
INSOLUBLE IN COLD ACIDS AND ALKALI'S.

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SECTION VIII - STORAGE, DISPOSAL & ENVIRONMENTAL:

- STORAGE:** PRESERVE IN SEALED CONTAINERS TO PREVENT DISPERSION OF DUST IN AIR.
- WASTE DISPOSAL:** DRY MATERIAL CAN BE LANDFILLED. OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS. RESPONSIBILITY FOR PROPER WASTE DISPOSAL IS WITH THE OWNER OF THE WASTE.
- CONDITIONS TO AVOID:** PREVENT DISPERSION OF DUST IN AIR.
- ACCIDENTAL SPILLS:** FOR LARGE SPILLS, SHOVEL OR SWEEP UP (WHILE KEEPING DISPERSION OF DUST IN AIR TO A MINIMUM) AND PLACE INTO SUITABLE SEALED CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. RESIDUE SHOULD BE CLEANED UP USING A HIGH-EFFICIENCY PARTICULATE FILTER VACUUM. THE USE OF WATER WASHDOWN IS NOT RECOMMENDED. WET MATERIAL CAN CAUSE A SURFACE USED FOR WALKING TO BECOME EXTREMELY SLIPPERY.

SECTION 313 SUPPLIER NOTIFICATION: THIS PRODUCT DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

RCRA: TALC IS NOT CONSIDERED A HAZARDOUS WASTE BY RCRA CRITERIA (40CFR261). OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE, CONTACT THE DISTRICT DIRECTOR OF THE ENVIRONMENTAL PROTECTION AGENCY.

SECTION IX - PROTECTIVE EQUIPMENT:

VENTILATION: PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

RESPIRATOR: THE FOLLOWING MAXIMUM USE CONCENTRATIONS AND RESPIRATORS ARE RECOMMENDATIONS BY THE U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES; NIOSH POCKET GUIDE TO CHEMICAL HAZARDS; NIOSH CRITERIA DOCUMENTS; OR BY THE U.S. DEPARTMENT OF LABOR, 29CFR1910 SUBPART Z.

MAXIMUM USE CONCENTRATION	RESPIRATOR
10 mg/cu.m.	ANY DUST AND MIST RESPIRATOR
20 mg/cu.m.	ANY DUST AND MIST RESPIRATOR EXCEPT SINGLE-USE AND QUARTER- MASK RESPIRATORS.

CLOTHING: PROTECTIVE CLOTHING IS NOT REQUIRED.

GLOVES: PROTECTIVE GLOVES ARE NOT REQUIRED, BUT MAY BE WORN TO PREVENT SKIN DRYNESS OR IRRITATION DUE TO SKIN ALLERGY.

EYE PROTECTION: EMPLOYEES SHOULD WEAR DUST-RESISTANT SAFETY GOGGLES TO PREVENT EYE CONTACT WITH HIGH CONCENTRATIONS OF AIR- BORNE DUST OF THIS SUBSTANCE. WHERE THERE IS A POSSIBILITY THAT AN EMPLOYEE'S EYES MAY BE EXPOSED TO BULK QUANTITIES OR HIGH CONCENTRATIONS OF AIR-BORNE DUST OF THIS SUBSTANCE, THE EMPLOYER SHOULD PROVIDE AN EYE WASH FOUNTAIN WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.

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SECTION X - ADDITIONAL INFORMATION:

NPCA: NATIONAL PAINT AND COATINGS ASSOCIATION - HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (MMIS)

HEALTH HAZARD: 1-SLIGHT
FLAMMABILITY HAZARD: 0-MINIMAL
REACTIVITY HAZARD: 0-MINIMAL
PERSONAL PROTECTION: E-GLASSES, GLOVES, DUST RESPIRATOR

CERCLA RATINGS (SCALE 0-3): HEALTH = 0 FIRE = 0 REACTIVITY = 0 PERSISTENCE = 3
RTEC NUMBER: W2710000
NFPA RATINGS (SCALE 0-4): HEALTH = 0 IRE = 0 REACTIVITY = 0

DOT CLASS: NOT REGULATED AS A HAZARDOUS MATERIAL BY DOT.

EPA TSCA STATUS: ALL INGREDIENTS ARE INCLUDED ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

CEPA DSL STATUS: ALL INGREDIENTS ARE INCLUDED M THE CANADIAN DOMESTIC SUBSTANCE LIST.

ACGIN CARCINOGENICITY DESIGNATION: A4 - NOT CLASSIFIED AS A HUMAN CARCINOGEN.

FDA STATUS: ALL PRODUCTS ARE APPROVED FOR USE IN POLYMERIC AND CELLULOSIC COMPOUNDS INTENDED FOR FOOD CONTACT APPLICATIONS.

EUROPEAN EINECS STATUS: ALL INGREDIENTS ARE LISTED. THE EINECS NUMBER FOR TALC IS 238-877-9.

CALIFORNIA PROPOSITION 65 STATUS: TALC AND ITS NATURAL COMPONENTS, POSE 'NO SIGNIFICANT RISK' AS DEFINED BY THE CALIFORNIA PROPOSITION 65 CLEAN WATER REGULATIONS.

NEW JERSEY RTK: TALC, P. 119.

NTP STATUS: A TWO YEAR NTP INHALATION STUDY ON RATS AND MICE REPORTED SOME EVIDENCE OF CARCINOGENICITY IN MALE RATS, CLEAR EVIDENCE OF CARCINOGENICITY IN FEMALE RATS, AND NO EVIDENCE OF CARCINOGENICITY IN MALE AND FEMALE MICE. AT AN FDA/IS RTP TALC WORLSHOP HELD AT THE NIH ON JANUARY 31 AND FEBRUARY 1, 1994, MEDICAL EXPERTS CONCLUDED THAT THE OBSERVED TUMORS WERE PROBABLY A RESULT OF A LUNG OVERBURDEN SITUATION CAUSED BY THE VERY HIGH TALC EXPOSURE LEVELS EMPLOYED IN THE STUDY. NO CARCINOGENICITY WAS OBSERVED IN ANY OF THE RODENTS AT LOWER LEVELS. IT IS NOT ANTICIPATED THAT THIS STUDY WILL RESULT IN THE LISTING OF TALC AS A POSSIBLE CARCINOGEN. AN EXECUTIVE SUMMARY OF THE FDA/IS RTP WORKSHOP APPEARS IN THE APRIL, 1995, ISSUE, VOLUME 21, NUMBER 2, OF THE JOURNAL OF REGULATORY TOXICOLOGY AND PHARMACOLOGY.

ASBESTOS CERTIFICATION: THESE PRODUCTS DO NOT CONTAIN ASBESTOS OR ASBESTIFORM MINERALS.

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