

Material Safety Data Sheet


MPSI

 Mineral and Pigment
Solutions, Inc.

Talc -

C.A.S. Number: 7727-43-7 / MSDS C.A.S. Code: 0660

PRODUCT/MATERIAL:
TALC
MANUFACTURER/DISTRIBUTOR:

MINERAL AND PIGMENT SOLUTIONS, INC.

ADDRESS:

 1000 COOLIDGE STREET
SOUTH PLAINFIELD, N.J. 07080

EMERGENCY TELEPHONE NO:

(908) 561-6100

SECTION I - PRODUCT IDENTIFICATION:

TRADE NAME: TALC
SYNONYM: SOAPSTONE
CHEMICAL FAMILY: MAGNESIUM SILICATE HYDRATE
FORMULA: $3\text{MgO} \cdot 4\text{SiO}_2 \cdot \text{H}_2\text{O}$
CAS NUMBER: 14807-96-6

HMS RATING:

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

EPA HAZARD CLASSES:

IMMEDIATE HEALTH	1
FIRE	0
REACTIVE	0
DELAYED HEALTH	1
PRESSURE	0

SECTION II - COMPOSITION INFORMATION:
TALC (NON-ASBESTIFORM)

TALC CONTAINS CRYSTALLINE SILICA AT LEVELS GREATER THAN 0.1%, BUT LESS THAN 1%. THESE LEVELS ARE "TYPICAL" AND MAY CHANGE SLIGHTLY WITH DIFFERENT LOTS. IARC HAS DETERMINED SILICA TO BE A CLASS 1 CARCINOGEN, AND NTP HAS CLASSIFIED CRYSTALLINE SILICA AS A SUBSTANCE REASONABLY ANTICIPATED TO BE A CARCINOGEN.

Information presented herein is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty by Mineral and Pigment Solutions, Inc. (MPSI). For more information and assistance, contact Technical Services at 1 (908) 561-6100.

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SECTION III - HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW: DUST MAY CAUSE MECHANICAL IRRITATION TO EYES AND RESPIRATORY TRACT.

INHALATION ACUTE EXPOSURE EFFECTS: INHALATION OF DUSTS MAY CAUSE SNEEZING, COUGHING, AND NOSE IRRITATION.

INHALATION CHRONIC EXPOSURE EFFECTS: LONG-TERM EXCESSIVE EXPOSURES MAY CAUSE TALCOSIS, A PULMONARY FIBROSIS WHICH MAY LEAD TO SEVERE AND PERMANENT DAMAGE TO THE LUNG - POSSIBLY RESULTING IN DISABILITY OR DEATH.

SKIN CONTACT ACUTE EXPOSURE EFFECTS: THE ABRASIVENESS OF TALC MAY CAUSE SKIN IRRITATION.

EYE CONTACT ACUTE EXPOSURE EFFECTS: ABRASION MAY CAUSE EYE IRRITATION.

INGESTION ACUTE EXPOSURE EFFECTS: MAY CAUSE MILD IRRITATION OF GASTROINTESTINAL TRACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: PRE-EXISTING CHRONIC RESPIRATORY, SKIN, OR EYE DISEASES.

SYMPTOMS: INHALATION - EXCESSIVE SNEEZING OR COUGHING. SKIN CONTACT - DRYNESS AND/OR MILD IRRITATION. EYE CONTACT - MILD IRRITATION. INGESTION - MILD IRRITATION.

PRIMPRINARY ROUTE OF EXPOSURE: INHALATION, INGESTION, SKIN CONTACT, EYE CONTACT.

TARGET ORGANS: EYES, SKIN, AND RESPIRATORY TRACT.

CARCINOGENICITY: NOT LISTED WITH NTP, IARC, OR OSHA AS A KNOWN OR SUSPECTED CARCINOGEN.

SECTION IV - FIRST AID MEASURES:

INHALATION: REMOVE EXPOSED PERSON TO FRESH AIR. IF SYMPTOMS SUCH AS EXCESSIVE SNEEZING OR COUGHING DEVELOP, SEEK MEDICAL ATTENTION.

SKIN CONTACT: WASH FROM SKIN WITH MILD SOAP AND WATER.

EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INGESTION: INGESTION SHOULD NOT CAUSE SIGNIFICANT HEALTH PROBLEMS. IF THIS MATERIAL IS INGESTED, AND IF THE PERSON IS CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO INDUCE VOMITING. GET MEDICAL ATTENTION.

NOTE TO PHYSICIAN: ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS AND SYMPTOMS OF DISTRESS IN THE PATIENT. CONSIDERATION SHOULD BE GIVEN TO THE POSSIBILITY THAT OVEREXPOSURE TO MATERIALS OTHER THAN TALC MAY HAVE OCCURRED.

SECTION V - FIRE FIGHTING MEASURES:

FLASH POINT: N/A

UPPER EXPLOSION LIMIT: N/A

LOWER EXPLOSION LIMIT: N/A

AUTO IGNITION TEMPERATURE: N/A

EXTINGUISHING METHOD: MATERIAL IS NON-COMBUSTIBLE. FOLLOW FIRE EXTINGUISHING PROCEDURES FOR SURROUNDING COMBUSTIBLES.

FIRE FIGHTING PROCEDURES: MATERIAL IS NON-COMBUSTIBLE. FOLLOW FIRE FIGHTING PROCEDURES FOR SURROUNDING MATERIALS.

FIRE AND EXPLOSION HAZARDS: MATERIAL IS NON-COMBUSTIBLE AND IS NOT AN EXPLOSION HAZARD.

HAZARDOUS COMBUSTION PRODUCTS: NONE KNOWN.

NFPA CODES:	HEALTH	1
	FLAMMABILITY	0
	REACTIVITY	0

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SECTION VI - ACCIDENTAL RELEASE MEASURES:

CLEAN-UP: PROVIDE ADEQUATE VENTILATION. CLEANUP PERSONNEL SHOULD USE PROTECTIVE EQUIPMENT TO REDUCE EYE CONTACT, INHALATION OF DUST AND PROLONGED SKIN CONTACT. USE VACUUM SUCTION WITH HEPA FILTERS TO CLEAN UP SPILLED MATERIAL. USE WET SWEEPING OR A DUST SUPPRESSANT WHERE SWEEPING IS NECESSARY. PERSONAL SAFETY, HANDLING AND EXPOSURE RECOMMENDATIONS DESCRIBED ELSEWHERE IN THIS DATA SHEET APPLY TO EXPOSURE DURING CLEAN UP OF SPILLED MATERIAL AND MUST BE FOLLOWED.

SECTION VII - HANDLING AND STORAGE:

STORAGE: STORE TO MINIMIZE OR AVOID DUST GENERATION. STORE IN CLEAN, DRY LOCATIONS.

HANDLING: AVOID DAMAGING CONTAINER.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION:

VENTILATION: PROVIDE ADEQUATE EXHAUST VENTILATION TO MEET EXPOSURE LIMIT REQUIREMENTS. AN EXHAUST FILTER SYSTEM MAY BE REQUIRED TO AVOID ENVIRONMENTAL CONTAMINATION.

RESPIRATORY PROTECTION: WHEN ESTABLISHED AIRBORNE EXPOSURE LIMITS ARE SURPASSED, WEAR NIOSH/MSHA APPROVED RESPIRATORY EQUIPMENT FOR DUST. DETERMINE THE APPROPRIATE TYPE EQUIPMENT FOR SPECIFIC APPLICATIONS BY CONSULTING THE RESPIRATOR MANUFACTURER. OBSERVE THE RESPIRATORY USE LIMITATIONS SPECIFIED BY NIOSH/MSHA OR THE MANUFACTURER. IN ADDITION, RESPIRATORY PROTECTION PROGRAMS MUST COMPLY WITH 29CFR1910.134. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

HAND PROTECTION: LEATHER OR OTHER IMPERVIOUS GLOVES.

EYE PROTECTION: SAFETY GLASSES EQUIPPED WITH SIDE SHIELDS OR DUST TIGHT GOGGLES.

OTHER PROTECTION: WEAR LONG SLEEVE CLOTHING TO PREVENT SKIN CONTACT.

EXPOSURE LIMITS:

SUBSTANCE	PEL(mg/cu.m.)	TLV(mg/cu.m)	REL(mg/cu.m)
SILICA OSHA	0.10		
	MSHA		
	ACGIH	0.10	
	NIOSH		0.05
TALC OSHA	2.0		
	MSHA		
	ACGIH	2.0	
	NIOSH		2.0

NOTE: PEL - PERMISSIBLE EXPOSURE LIMIT (8HR. TWA)

TLV - THRESHOLD LIMIT VALUE (8HR. TWA)

REL - RECOMMENDED EXPOSURE LIMIT (8HR. TWA)

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY: 2.7 (APPROX.)
SOLUBILITY IN WATER: INSOLUBLE
VOLATILES: N/A
APPEARANCE: WHITE POWDER
ODOR: NONE
EVAPORATION RATE: N/A
PRODUCT STATE: SOLID

SECTION X - STABILITY AND REACTIVITY:

INCOMPATIBILITIES: NONE IN DESIGNED USE.
DECOMPOSITION: NONE KNOWN
POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
CONDITIONS TO AVOID: WATER AND MOISTURE.
STABILITY: STABLE UNDER NORMAL CONDITIONS.

SECTION XI - TOXICOLOGICAL INFORMATION

INHALATION EFFECTS: RAT INHALATION, TC(LO) = 11 mg/cu.m ADMINISTERED INTERMITTENTLY OVER A YEAR PRODUCES A TOXIC EFFECT.
DERMAL EFFECTS: RAT, IMPLANT, TD(LO) = 200 mg/cu.m HUMAN, SKIN 300 micrograms ADMINISTERED INTERMITTENTLY OVER A THREE DAY PERIOD PRODUCES MILD IRRITATION.
EYE EFFECTS: NONE KNOWN
INGESTION EFFECTS: NONE KNOWN
OTHER EFFECTS: NONE KNOWN

SECTION XII - ECOLOGICAL INFORMATION:

NO INFORMATION IS CURRENTLY AVAILABLE ON THIS MATERIAL.

SECTION XIII - DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL: IF THIS MATERIAL BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) 40 CFR 261, SINCE IT DOES NOT HAVE THE CHARACTERISTICS OF SUBPART C, NOR IS IT LISTED UNDER SUBPART D. STATE OR LOCAL HAZARDOUS WASTE REGULATIONS MAY APPLY IF THEY ARE DIFFERENT FROM THE FEDERAL REGULATIONS. THE USER SHOULD BE AWARE THAT COMBINING THIS MATERIAL WITH ANOTHER MAY ALTER THIS CLASSIFICATION.

SECTION XIV - TRANSPORT INFORMATION:

DOT CLASS: NOT REGULATED BY U.S. DEPARTMENT OF TRANSPORTATION OR ANY OTHER KNOWN TRANSPORTATION AGENCIES.
DOT SHIPPING NAME: TALC
DOT LABEL: NOT REQUIRED.
PACKING GROUP: NOT REQUIRED.
UN REGISTER: NOT APPLICABLE.

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ADDITIONAL DOT REQUIREMENTS: NONE.
IMO CLASS: NOT APPLICABLE.
IMO LABEL: NOT REQUIRED.

SECTION XV - REGULATORY INFORMATION:

OSHA HAZARD COMMUNICATION STATUS: THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

ASBESTIFORM MINERAL CONTENT: NO ASBESTIFORM MINERALS HAVE BEEN DETECTED IN THIS PRODUCT.

TSCA STATUS: ALL INGREDIENTS IN THIS PRODUCT ARE EITHER NATURALLY OCCURRING AND EXEMPT FROM REPORTING OR ARE INCLUDED IN EPA'S TOXIC SUBSTANCE CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES.

SARA 311/312 HAZARD CLASS: THIS PRODUCT CONTAINS SUBSTANCES REGULATED UNDER 29 CFR 1910.1200 (OSHA HAZARD COMMUNICATION) AS IMMEDIATE (ACUTE) HEALTH HAZARDS.

TARIFF CLASSIFICATION: TALC 2526.20

"CONEG" MODEL LEGISLATION: THERE ARE NO CADMIUM, NEXAVALENT CHROMIUM, LEAD, OR MERCURY ADDITIVES. THESE PRODUCTS INCIDENTALLY CONTAIN ONLY TRACE AMOUNTS OF THESE MATELS, FAR BELOW THE 100 PPM THRESHOLD LEVEL.

INTERNATIONAL CHEMICAL LISTS: ACOIN (AUSTRALIA)
MITI (JAPAN)
LECS (KOREA)
EINECS (EUROPE)
DSL (CANADA)

CLEAN AIR ACT COMPONENTS: THIS PRODUCT DOES NOT CONTAIN NOR HAS IT COME INTO CONTACT WITH OZONE DEPLETING CHEMICALS. FURTHERMORE, NO OZONE DEPLETING CHEMICALS WERE USED IN THE MANUFACTURING PROCESS.

WHMIS CLASSIFICATION: CLASS D, DIVISION 2, SUBDIVISION B.

CALIFORNIA PROPOSITION 65: TALC MAY CONTAIN THE FOLLOWING PROPOSITION 65 REGULATED CHEMICALS IN THE FOLLOWING TYPICAL AMOUNTS:

ARSENIC	2 PPM
CADMIUM	2 PPM
CHROMIUM	0.5 PPM
MERCURY	0.5 PPM
LEAD	5 PPM
CRYSTALLINE SILICA	1.0%. MAXIMUM

THESE CHEMICALS ARE PRESENT AS IMPURITIES AND OCCUR AS A RESULT OF THEIR NATURAL PRESENCE IN THE ORE FROM WHICH THE TALC IS PRODUCED.

SECTION XVI - OTHER INFORMATION:

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NO CASE SHALL THE INFORMATION BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE."

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