



WHITTAKER, CLARK & DANIELS, INC.

MINERALS, COLORS, CHEMICALS

MATERIAL SAFETY DATA SHEET

PRODUCT/MATERIAL	TALC
MANUFACTURER/DISTRIBUTOR	WHITTAKER, CLARK & DANIELS, INC.
ADDRESS	1000 COOLIDGE STREET
	SOUTH PLAINFIELD, NJ 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
HMIS	HEALTH 1
	FLAMMABILITY 0
	REACTIVITY 0

SECTION II - HAZARDOUS INGREDIENTS

TALC (NON-ASBESTIFORM)

TALC CONTAINS CRYSTALLINE SILICA AT LEVELS GREATER THAN 0.1%, BUT LESS THAN 1.0%. THESE LEVELS ARE "TYPICAL" AND MAY CHANGE SLIGHTLY WITH DIFFERENT LOTS. IARC HAS DETERMINED SILICA TO BE A CLASS 2A CARCINOGEN, AND NTP HAS CLASSIFIED CRYSTALLINE SILICA AS A SUBSTANCE REASONABLY ANTICIPATED TO BE A CARCINOGEN.

SECTION III - PHYSICAL DATA

BOILING POINT (F)	NOT APPLICABLE
VAPOR PRESSURE (mmHg)	NOT APPLICABLE
VAPOR DENSITY	NOT APPLICABLE
SOLUBILITY IN WATER	INSOLUBLE
SPECIFIC GRAVITY	2.5 - 2.8
PERCENT VOLATILE BY WEIGHT	0
EVAPORATION RATE	0
APPEARANCE AND ODOR	WHITE TO OFF-WHITE POWDER, ODORLESS.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	NON-FLAMMABLE
FLAMMABLE LIMITS	EL - NON-FLAMMABLE
	UEL - NON-FLAMMABLE
EXTINGUISHING MEDIA	WATER
SPECIAL FIRE FIGHTING PROCEDURES	NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE



SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUES	20 mppcf (OSHA PEL)
(TWA - 8 HOUR PERIOD)	2 mg/M ³ , RESPIRABLE DUST (ACGIH)
EFFECTS OF OVEREXPOSURE	ACUTE HEALTH EFFECTS-MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. ABRASION MAY CAUSE EYE AND SKIN IRRITATION. INGESTION CAUSES GASTROINTESTINAL IRRITATION, NAUSEA, AND DIARRHEA.



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CHRONIC HEALTH EFFECTS - REPEATED EXPOSURE TO HIGH AMOUNTS OF TALC CAN CAUSE TALCOSIS, A PULMONARY FIBROSIS, WHICH MAY LEAD TO SEVERE AND PERMANENT DAMAGE TO THE LUNG-POSSIBLY RESULTING IN DISABILITY OR DEATH.

LUNGS, EYES AND SKIN.

INHALATION, INGESTION, EYE AND SKIN CONTACT.

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

TARGET ORGAN

PRIMARY ENTRY ROUTES

CARCINOGENICITY

EMERGENCY AND FIRST-AID PROCEDURES:

EYE CONTACT

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

SKIN CONTACT

WASH FROM SKIN WITH MILD SOAP AND WATER.

INHALATION

REMOVE FROM THE EXPOSURE AREA.

INGESTION

IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO INDUCE VOMITING. GET MEDICAL ATTENTION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

PERSONS SUFFERING FROM CHRONIC RESPIRATORY DISEASES MAY BE AT INCREASED RISK.

CANADIAN WHMIS CLASSIFICATION

CLASS D, DIVISION 2, SUBDIVISION A.

SECTION VI - REACTIVITY DATA

INCOMPATIBILITY

PRODUCT IS STABLE

HAZARDOUS DECOMPOSITION PRODUCTS

NONE

NONE

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED

NORMAL CLEAN UP PROCEDURES. CARE SHOULD BE TAKEN TO AVOID CAUSING DUST TO BECOME AIRBORNE. VACUUM CLEANING SYSTEMS ARE RECOMMENDED. DO NOT FLUSH TO SEWER.

WASTE DISPOSAL METHOD

DISPOSAL MUST BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. BE SURE TO CONTACT APPROPRIATE GOVERNMENT ENVIRONMENTAL AGENCIES IF FURTHER DISPOSAL GUIDANCE IS REQUIRED. OF THE DISPOSAL METHODS CURRENTLY AVAILABLE, A METHOD SHOULD BE SELECTED BASED UPON ENVIRONMENTAL ACCEPTABILITY FOLLOWING THE ORDER OF PREFERENCE:

- 1.) RECYCLE OR REWORK IF FEASIBLE.
- 2.) LANDFILL AT AN APPROVED FACILITY.

ECOLOGICAL INFORMATION

NO HARMFUL EFFECTS KNOWN OTHER THAN THOSE ASSOCIATED WITH SUSPENDED INERT SOLIDS IN WATER.

SECTION VIII - SPECIAL PROTECTION INFORMATION

EYE PROTECTION (USE MOST APPROPRIATE)

SAFETY GLASSES, GOGGLES, FACE SHIELD.

SKIN PROTECTION

LEATHER OR RUBBER GLOVES.

RESPIRATORY PROTECTION

USE OF A NIOSH APPROVED DUST RESPIRATOR IS RECOMMENDED WHEN EXPOSURE LIMITS MAY BE EXCEEDED.

VENTILATION

LOCAL EXHAUST VENTILATION TO COLLECTOR OR CONTAINMENT RECOMMENDED TO CONTROL DUST TO BELOW EXPOSURE LIMITS.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE:

GOOD INDUSTRIAL HYGIENE PRACTICE REQUIRES THAT EMPLOYEE EXPOSURE BE MAINTAINED BELOW THE RECOMMENDED TLV. THIS IS



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PREFERABLY ACHIEVED THROUGH THE PROVISION OF ADEQUATE VENTILATION WHERE NECESSARY. WHERE DUST CANNOT BE CONTROLLED IN THIS WAY, PERSONAL RESPIRATORY PROTECTION SHOULD BE EMPLOYED. STORE IN A DRY AREA AT AMBIENT TEMPERATURE.

TRANSPORTATION:

THIS MATERIAL IS CLASSIFIED AS "NON-HAZARDOUS" ACCORDING TO U.S. AND INTERNATIONAL SHIPPING REGULATIONS.

REGULATORY:

TSCA STATUS - ALL INGREDIENTS IN THIS PRODUCT ARE INCLUDED IN THE EPA'S TSCA INVENTORY.

CANADIAN USE - THIS PRODUCT IS CONSIDERED TO BE A NATURALLY OCCURRING SUBSTANCE AS DEFINED IN THE CANADIAN ENVIRONMENTAL PROTECTION ACT AND IS THEREFORE CONSIDERED TO BE LISTED ON THE CANADIAN DSL.

CERCLA, 40 CFR 117, 302 - NOTIFICATION OF SPILLS OF THIS MATERIAL IS NOT REQUIRED.

RCRA, 40 CFR 261 - DOES NOT MEET THE CRITERIA FOR A HAZARDOUS WASTE AS DEFINED BY THE ACT.

SARA: SECTION 302 - THIS MATERIAL DOES NOT CONTAIN INGREDIENTS CLASSIFIED AS EXTREMELY HAZARDOUS SUBSTANCES.
SECTION 311 AND 312 - THIS MATERIAL DOES CONTAIN SUBSTANCES REGULATED UNDER 29 CFR 1910.1200.
SECTION 313 - THIS MATERIAL DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF 40 CFR 372.

ISSUED: 5/93

SUPERCEDES: 2/93