



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	$3MgO \cdot 4SiO_2 \cdot H_2O$
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.

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	LEL - 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 (TWA - 8 HOUR PERIOD)	20 mppcf (OSHA PEL) 2 mg/m ³ , RESPIRABLE DUST (ACGIH)
EFFECTS OF OVEREXPOSURE	ACUTE HEALTH EFFECTS - MAY CAUSE MECHANICAL IRRITATION TO EYES AND RESPIRATORY TRACT. CHRONIC HEALTH EFFECTS - REPEATED EXPOSURE TO HIGH AMOUNTS OF TALC CAN CAUSE SCARRING OF THE LUNGS. THIS TAKES YEARS TO DEVELOP AND CAN LEAD TO ABNORMAL CHEST

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TARGET ORGAN
PRIMARY ENTRY ROUTES
CARCINOGENICITY
EMERGENCY AND FIRST-AID PROCEDURES:

X-RAY, SHORTNESS OF BREATH, COUGH, AND POSSIBLE DISABILITY OR DEATH.
LUNGS
INHALATION, INGESTION
NOT LISTED WITH NTP, IARC OR OSHA AS A KNOWN OR SUSPECTED CARCINOGEN.

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.

SECTION VI - REACTIVITY DATA

INCOMPATIBILITY
HAZARDOUS DECOMPOSITION PRODUCTS

PRODUCT IS STABLE
NONE
NONE
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED
WASTE DISPOSAL METHOD

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. DISPOSAL MUST BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

EYE PROTECTION (USE MOST APPROPRIATE)
SKIN PROTECTION
RESPIRATORY PROTECTION
VENTILATION

SAFETY GLASSES, GOGGLES, FACE SHIELD.
LEATHER OR RUBBER GLOVES.
USE OF A NIOSH APPROVED DUST RESPIRATOR IS RECOMMENDED WHEN EXPOSURE LIMITS MAY BE EXCEEDED.
LOCAL EXHAUST VENTILATION TO COLLECTOR OR CONTAINMENT RECOMMENDED TO CONTROL DUST TO BELOW EXPOSURE LIMITS.

SECTION IX - SPECIAL PRECAUTIONS

GOOD INDUSTRIAL HYGIENE PRACTICE REQUIRES THAT EMPLOYEE EXPOSURE BE MAINTAINED BELOW THE RECOMMENDED TLV. THIS IS PREFERABLY ACHIEVED THROUGH THE PROVISION OF ADEQUATE VENTILATION WHERE NECESSARY. WHERE DUST CANNOT BE CONTROLLED IN THIS WAY, PERSONAL RESPIRATORY PROTECTION SHOULD BE EMPLOYED.

ISSUED: 4/91
SUPERCEDES: 6/89



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1 LO-MICRON TALC BC

RI 0760

CAS No. 14807-96-6

Typical Chemical Analysis:

Typical Chemical Analysis:		Percent
Silica	SiO ₂	57-61
Calcium Oxide	CaO	0.7-1.5
Aluminum Oxide	Al ₂ O ₃	5-7.5
Magnesium Oxide	MgO	29-32
Ferric Oxide	Fe ₂ O ₃	0.3-0.6
Moisture		not more than 0.6
Loss on Ignition		not more than 10
Acid Solubles		not more than 0.1
Water Soluble Iron		None
pH		9-10

Typical Physical Properties:

Typical Physical Properties:		Percent
Dry Brightness		88-92
Specific Gravity		2.69
Tapped Density, lbs./ft. ³		38-44
Loose Density, lbs./ft. ³		12-17
Lbs./solid gallon		23.07
One Lb. Bulks, gallons		0.0434
Oil Absorption		37-43
Thru 325 Mesh, %		99.96
Slip		Excellent

Typical Particle Size Distribution:

Microns	% Less Than	Microns	% Less Than
30	99.9	5	45
20	99	4	35
		1	5

*Bacteria Controlled, CTFA, "Microbiological Limit Guidelines for Cosmetics and Toiletries, 1985."
Combined count of less than 500 microorganisms per gram and the absence of gram negative bacteria.

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