



# WHITTAKER, CLARK & DANIELS, INC.

MINERALS, COLORS, CHEMICALS

## MATERIAL SAFETY DATA SHEET

PRODUCT/MATERIAL TALC  
MANUFACTURER/DISTRIBUTOR WHITTAKER, CLARK & DANIELS, INC.  
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SOUTH PLAINFIELD, NJ 07080  
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### 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 20 mppcf (OSHA PEL)  
(TWA - 8 HOUR PERIOD) 2 mg/m<sup>3</sup>, 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	X-RAY, SHORTNESS OF BREATH, COUGH, AND POSSIBLE DISABILITY OR DEATH.
PRIMARY ENTRY ROUTES	LUNGS
CARCINOGENICITY	INHALATION, INGESTION
EMERGENCY AND FIRST-AID PROCEDURES:	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	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.

## 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

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

RS 0760

CAS No. 14807-96-6

### Typical Chemical Analysis:

		Percent
Silica	SiO <sub>2</sub>	57-61
Calcium Oxide	CaO	0.7-1.5
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	5-7.5
Magnesium Oxide	MgO	29-32
Ferric Oxide	Fe <sub>2</sub> O <sub>3</sub>	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:

	Percent
Dry Brightness	88-92
Specific Gravity	2.69
Tapped Density, lbs./ft. <sup>3</sup>	38-44
Loose Density, lbs./ft. <sup>3</sup>	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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