FILE NAME: Talc (TALC)

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U.S. DEPARTMENT OF LABOR
WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

Code 13000

SECTION I

MANUFACTURER'S NAME: Englehard Minerals & Chemicals Corp.

EMERGENCY TELEPHONE NO.: 201-548-2200

ADDRESS (Number, Street, City, State, and Zip Code): Menlo Park, Edison, N.J. 08817

TRADE NAME AND SYNONYMS: Mistral-44

CHEMICAL NAME AND SYNONYMS: Magnesium Silicate, Hydrous

FORMULA: $3MgO \cdot 4SiO_2 \cdot H_2O$

CHEMICAL FAMILY: Silicate

SECTION II — HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	100		BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES — % — TLV (Units)

NA

SECTION III — PHYSICAL DATA

BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H_2O = 1)	2.9
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE (= 1)	
SOLUBILITY IN WATER			

APPEARANCE AND ODOR: White to grey powder; no odor

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) — FLAMMABLE LIMITS — LEL — UEL

EXTINGUISHING MEDIA

SPECIAL FIRE FIGHTING PROCEDURES: No fire hazards

UNUSUAL FIRE AND EXPLOSION HAZARDS

Enclosure 2

CRMC-HT-TALC-000168

...D LIMIT VALUE	None
...TS OF OVEREXPOSURE	None

EMERGENCY AND FIRST AID PROCEDURES

No first aid cases have resulted due to inhalation.

However, eyewash to remove foreign bodies in the eye may be employed-Type:

Haws Model 7760 ET Berkeley, California

STABILITY	UNSTABLE		CONDITIONS TO AVOID None
	STABLE		

INCOMPATABILITY (Materials to avoid) None

HAZARDOUS DECOMPOSITION PRODUCTS None

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID None
	WILL NOT OCCUR		

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WA... DISPOSAL METHOD No special method required

RESPIRATORY PROTECTION (Specify type)

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES	...ne required	EYE PROTECTION None prescribed
OTHER PROTECTIVE ...	...EQUAT High concentrations of dust may require the use of a face	

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

No special precautions

OTHER PRECAUTIONS

Cyprus Industrial Minerals Company

555 South Flower Street
Los Angeles, California 90071
Telephone 213) 489-3700

TWX 910) 321-575

THIS FORM SIMILAR TO FORM OSHA-20

MATERIAL SAFETY DATA SHEET

SECTION I

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
Talc, Hydrous Magnesium Silicate	Mistron HGO-75
CHEMICAL FAMILY	**FORMULA**
Silicates	$H_2O_3Si \cdot {}^3/_4Mg$ (Per TSCA)

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Not Applicable		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H_2O=1)	2.7 – 2.8
VAPOR PRESSURE (mm Hg.)	NA	PERCENT, VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (_____ =1)	NA
SOLUBILITY IN WATER	Negligible		

APPEARANCE AND ODOR White powder with earthy odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
NA			

EXTINGUISHING MEDIA

SPECIAL FIRE FIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARDS

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	20 million particles per cubic foot of air (mppcf) (asbestos free by XRD)
EFFECTS OF OVEREXPOSURE	None
EMERGENCY AND FIRST AID PROCEDURES	No acute symptoms requiring emergency or first aid procedures.
	Not applicable

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*

HAZARDOUS DECOMPOSITION PRODUCTS Not applicable

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED None

WASTE DISPOSAL METHOD Not applicable

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)* Standard Dust Respirator

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES	EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Provide adequate ventilation

OTHER PRECAUTIONS

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 20 million particles per cubic foot of air (mppcf) / (asbestos free by XRD)

EFFECTS OF OVEREXPOSURE: None

EMERGENCY AND FIRST AID PROCEDURES: No acute symptoms requiring emergency or first aid procedures.

Not applicable

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATABILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: None

WASTE DISPOSAL METHOD: Not applicable

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): Standard Dust Respirator

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES | EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Provide adequate ventilation

OTHER PRECAUTIONS