

FURNACE MAIL'S

ENGINEERED CERAMICS

P.O. BOX 365, ROUTE 72
GILBERTS, IL 60136
847.428.4455

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **HYCOR® ALUMINA PRODUCTS**
Including 28-6, TA-530, TA-530 FMS, HYcor® Plus, TA-540, TA-540F, TA-505, TA-505F, TA-507, TA-507F, TA-510F, SA 13-91, T-73, T-82

COMPANY INFORMATION: Engineered Ceramics
P.O. Box 365, Route 72
Gilberts, IL 60136
847.428.4455

EMERGENCY PHONE: 847.428.4455

2. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT(S)	CAS. NO.	OSHA PEL	ACGIH TLV
Aluminum Oxide (Alumina)	CAS 1344-28-1	15 Total, 5 Respirable	10
Alumina Silicates (as nuisance dust)	CAS 1302-93-8	5	5

3. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	N/A	SPECIFIC GRAVITY (H ₂ O = 1):	2.7-2.8
VAPOR PRESSURE (mm Hg):	None	MELTING POINT:	N/A
VAPOR DENSITY (Air = 1):	None	EVAPORATION RATE (Butyl Acetate = 1):	None
SOLUBILITY IN WATER:	Insoluble		
APPEARANCE AND ODOR:	HYcor Products are white, odorless, hard refractories		

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used):	Non-Flammable
FLAMMABLE LIMITS:	None LEL: None UEL: None
EXTINGUISHING MEDIA:	N/A
SPECIAL FIRE FIGHTING PROCEDURES:	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

5. REACTIVITY DATA

STABILITY:	Stable	CONDITIONS TO AVOID:	None
INCOMPATIBILITY (Materials to Avoid):			None
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:			None
HAZARDOUS POLYMERIZATION:	Will Not Occur	CONDITIONS TO AVOID:	None

6. HEALTH HAZARD DATA

The material as received presents no health hazard. The following pertains to dust generated by further fabrication.

ROUTE(S) OF ENTRY:	INHALATION?	Yes
	SKIN?	No
	INGESTION?	No
HEALTH HAZARDS (Acute & Chronic):		Low Health Risk by Inhalation. Mild Skin Irritation From Prolonged Exposure.
CARCINOGENICITY:	NTP?	No
	IARC Monographs?	No
	OSHA Regulated?	No
SIGNS AND SYMPTOMS OF EXPOSURE:		The Dust May Cause Eye, Skin, And Upper Respiratory Irritation. Ingestion May Cause Irritation To The Gastrointestinal Tract.
EMERGENCY FIRST AID PROCEDURES:		For Material In Eyes, Wash Immediately With Water. For Skin Irritation, Wash With Water. For Inhalation, Remove From Source Of Exposure. Seek Medical Attention If Irritations Persist.

7. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

N/A

WASTE DISPOSAL METHOD:

Dispose Of As Solid Waste In Accordance With Federal, State, And Local Laws.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:

Avoid Dusting

OTHER PRECAUTIONS:

None

8. CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type):

NIOSH Approved Respirator In Dusty Conditions (Such As Where Further Fabrication Takes Place)

VENTILATION:

LOCAL EXHAUST	Yes
OTHER	None

PROTECTIVE GLOVES:

Can Be Used To Protect Against Abrasions

EYE PROTECTION:

Normal Protection Against Foreign Substances

OTHER PROTECTIVE CLOTHING/EQUIPMENT:

None

WORK/HYGIENIC PRACTICES:

Standard Practices. Keep Dust to a Minimum