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**Material Data Sheet for D6304**

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**SECTION-7 HANDLING AND STORAGE**

**Handling :** Keep away from fire, heat, and flame. Avoid breathing or creating dust.

**Storage :** Keep away from fire, heat, and flame. Keep material dry. Keep away from acids, alkalis. Exhaust ventilation is recommended.

**SECTION-8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure guidelines :**

Ingredient Name	CAS No	OSHA PEL	ACGIH TLV
Calcium hydroxide	1305-62-0	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	5mg/m <sup>3</sup> TWA
Calcium carbonate	471-34-1	5mg/m <sup>3</sup> TWA (respirable fraction)	10mg/m <sup>3</sup> TWA
Zirconium silicate	10101-52-7	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (dust, as Zr)	5mg/m <sup>3</sup> TWA
Glass fiber	65997-17-3	15mg/m <sup>3</sup> TWA (total dust); 5mg/m <sup>3</sup> TWA (respirable fraction)	10g/m <sup>3</sup> (total dust); 3mg/m <sup>3</sup> TWA (respirable)
Copper	7440-50-8	0.1mg/m <sup>3</sup> TWA (fume); 1mg/m <sup>3</sup> TWA (dust and mist)	0.2mg/m <sup>3</sup> TWA (fume); 1mg/m <sup>3</sup> TWA (dust and mist)
Tin	7440-31-5	2 mg/m <sup>3</sup> TWA (dust as Sn)	2 mg/m <sup>3</sup> TWA
Molybdenum disulfide	1317-33-5	15mg/m <sup>3</sup> TWA (total dust, Insoluble compounds, as Mo)	10mg/m <sup>3</sup> TWA
Graphite	7782-42-5	15mppcf TWA(natural); or 15mg/m <sup>3</sup> TWA(synthetic, total dust); 5mg/m <sup>3</sup> TWA (synthetic, respirable fraction)	2mg/m <sup>3</sup> TWA(all forms except graphite fibers, respirable fraction)
Barium sulfate	7727-43-7	15mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	10mg/m <sup>3</sup> TWA
Magnesium Potassium titanium	39290-90-9	EPA NCEL 5mg/m <sup>3</sup>	none
Tin sulfide	1314-95-0	2 mg/m <sup>3</sup> TWA (dust as Sn)	2 mg/m <sup>3</sup> TWA
Cured Phenolic Resin	none	none	none

**Engineering controls :**

Friction materials are molded articles and neither gives off nor reveals hazard materials. But machining (grinding, drilling, etc) can result in the release of airborne dust, and dust excess OSHA permissible exposure Level (PEL) is considered hazardous.

**Personal Protective Equipment :**

Eye/face protection : Safety glasses are recommended.  
Skin protection : Nitrile rubber gloves are recommended.  
Respiratory protection : Not required under normal conditions and adequate ventilation. If the exposure limit is exceeded, use of NIOSH approved face mask(N-95 or better) is recommended.  
  
In the case of fire or explosion, Self Contained Breathing Apparatus (SCBA) should be used.

General hygiene considerations : Wash thoroughly after handling.