



# MATERIAL SAFETY DATA SHEET

Manufacturer: Leitz Werkzeugdienst GmbH  
Germany

USA Distributor: Leitz Tooling Systems, Inc.  
4301 East Paris Avenue SE  
Grand Rapids, Michigan 49512

00080001  
08080002  
05080003  
00080004

Chemical Name: Template Steel

Chemical Family: Tool Steel

## Section II - Composition

<u>Material</u>	<u>Percent</u>
C	.75 - .85
CR	.40 - .70
V	.15 - .25
Si	.25 - .40
MN	.30 - .50

## Section III - Physical & Chemical Data

Appearance and Odor:	Silver/Gray, No odor
Boiling Point:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Solubility in Water:	N/A
Percent Volatile by Volume:	0
Evaporation Rate:	N/A

## Section IV - Special Precautions

Maintain good housekeeping procedures to prevent accumulation of dust (metal and abrasive particles) during grinding. Avoid dust inhalation and direct skin contact with dust.

Clean up using methods which avoid dust generation such as vacuum (with appropriate filter to prevent airborne dust levels which exceed the PEL or TLV), wet dust mop or wet clean up. While grinding, use appropriate NIOSH approved respirator.

Wash hands thoroughly after handling, before eating or smoking. Wash exposed skin at the end of work shift.

*The Worldwide Leader in Tooling Solutions*

**U.S. Headquarters**  
Leitz Tooling Systems Inc.  
4301 East Paris Ave., S.E.  
Grand Rapids, MI 49512  
Ph. (616) 698-0124  
Ph. (800) 253-6070  
Fax (616) 698-9270

**California**  
9900 Bell Ranch Drive #101  
Santa Fe Springs, CA 90670  
Ph. (800) 548-1535  
Fax (562) 941-2072

**Indiana (Leitz/Tool Pro)**  
1222 Power Drive  
Jasper, IN 47546  
Ph. (888) 638-8099  
Fax (812) 431-2543

**Minnesota**  
807 East Hwy 12  
Litchfield, MN 55355  
Ph. (320) 693-2482  
Fax (320) 693-7496

**North Carolina**  
310 Leitz Place  
Statesville, NC 28677  
Ph. (704) 873-2107  
Fax (704) 873-2109

**Pennsylvania**  
5318 Lycoming Mill Dr.  
Montoursville, PA 17754  
Ph. (570) 368-8199  
Fax (570) 368-8195

**South Carolina**  
1069 Harbor Road  
W. Columbia, SC 29169  
Ph. (803) 791-8501  
Fax (803) 741-8704

**Tennessee**  
118 Highway 72 East  
Suite 103  
Collierville, TN 38017  
Ph. (901) 854-4065  
Fax (901) 854-4066

**Texas**  
9865 Chartwell Drive  
Dallas, TX 75243  
Ph. (214) 340-2490  
Fax (214) 340-2499

**Washington**  
8607 South 212th Street  
Kent, WA 98031  
Ph. (253) 395-1012  
Fax (253) 395-1014

**Wisconsin**  
4925-A Croye Drive  
Stevens Point, WI 54481  
Ph. (715) 341-5541  
Fax (715) 341-5567

Periodic medical examinations are recommended for individuals regularly exposed to grinding mist.

**Section V – Corrosivity and Reactivity Data**

	Stability:	Stable
	Materials to Avoid:	Strong Acids
Hazardous Decomposition Products:		None
Conditions to Avoid:		N/A

**Section VI – Health, First Aid and Medical Data**

While grinding, dust is generated which may be inhaled, even with the use of a dust collection system. This is classified as inert or nuisance dust and would have the pulmonary effects of inert dust. Dust may be inhaled or come in contact with skin or eyes.

<u>Routes of Exposure</u>	<u>Effects of Overexposure</u>	<u>Emergency and First Aid Procedures</u> (Applicable for dusts or mists)
Inhalation	Dust from grinding can cause irritation of nose and throat	If symptoms of pulmonary involvement develop (coughing, wheezing, shortness of breath, etc.) remove from exposure and seek medical attention
Skin Contact	Irritation or rash may occur	Wash affected area with soap and water and isolate from exposure. If rash persists, seek medical attention
Eye Contact	Irritation may occur	Flush with copious amounts of water. If irritant persists, seek medical attention
Ingestion		If substantial quantities are swallowed dilute with large amount of water, induce vomiting and seek medical attention

Carcinogenic Assessment (NTP Annual Report, IARC Monographs, other):  
None of the components of this material have been identified as known or suspected carcinogens by NTP, IARC or OSHA.

### **Section VII – Spill or Leak Procedures**

Clean-up using methods which avoid dust generation such as vacuum, wet dust mop, or wet clean up. If airborne dust is generated, use appropriate NIOSH approved respirator.

Dispose of in accordance with appropriate government regulations.

### **Section VIII – Personal Protection**

Respiratory Protection: Use an appropriate NIOSH approved respirator if airborne dust concentrations exceed the appropriate PEL or TLV.

Ventilation: Use local ventilation which is adequate to limit personal exposure to respirable airborne dust to levels which do not exceed the PEL or TLV. If such equipment is not available, use respirators as specified above.

Protective Gloves: Use protective gloves or barrier cream when in contact with dust or mist.

Eye Protection: Safety glasses with side shields or goggles are recommended.

### **Section IX – Fire and Explosion Data**

Flash Point: N/A

Not a fire hazard. Dust generated by mixture of abrasive particles while grinding may ignite if allowed to accumulate in a dry state.