



## Spartan Chemical Company, Inc. Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

**THE CARBIDE GRINDER**

Product Number: 2788

Product Division:

**IPG**

**Spartan Chemical Company, Inc.**  
1110 Spartan Drive  
Maumee, OH 43537

Product/Technical Information: **1-(800)-537-8990**

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Non Hazardous Products

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Triethanolamine	1-5	102-71-6	5 (ACGIH)	Not Established	Not Established	No
Benzotriazole	1-5	95-14-7	15 (dust)	Not Established	Not Established	No
Tolyltriazole	1-5	29385-43-1	Not Established	Not Established	Not Established	No
Potassium hydroxide	1-5	1310-58-3	Not Established	Not Established	2 (NIOSH)	No
Polyoxyalkyleneamine	1-5	65605-36-9	Not Established	Not Established	Not Established	No
Dodecanedioic acid	1-5	693-23-2	Not Established	Not Established	Not Established	No
Undecanedioic acid	1-5	1852-04-6	Not Established	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: > 212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 5%: 8.9 - 9.4	Specific Gravity (H <sub>2</sub> O=1): 1.04
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 20-22
Physical State: Liquid	
Appearance & Odor: Clear, odorless liquid	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 212°F	Method Used: NA
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes and Oral
Effects of Overexposure- Conditions to Avoid:	<b>Causes eye and skin irritation :</b> Symptoms may include pain, redness and tearing. <b>May be harmful if swallowed :</b> Symptoms may include stomach or intestinal upset. <b>Inhalation of product mist may cause respiratory irritation:</b> Symptoms may include irritation to nose, throat and airways. Contains triethanolamine which may cause skin sensitization with repeated contact. Repeated exposure to triethanolamine may cause liver and kidney damage. <b>Avoid contact with eyes , skin or clothing . Do not taste or swallow . Avoid breathing product mist . Wash thoroughly after handling .</b>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.		
<b>Emergency &amp; First Aid Procedures :</b>			
Eyes:	Flush eyes with water for at least 15 minutes. remove contact lenses. Get medical attention if irritation persists.		
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.		
Ingestion:	Do not induce vomiting. Drink one or two glasses of water to dilute product. Get immediate medical attention. Do not give anything by mouth to an unconscious person.		
Inhalation:	Move person to fresh air. Get medical attention if irritation persists.		

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	CO, CO2, sulfur oxides if burned	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Dike and contain spill with inert material (sand, earth, commercial absorbent, etc.) and transfer to containers for disposal. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Consult an expert on disposal of recovered material and ensure conformity with federal, state and local regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required when adequate ventilation is provided. However, if exposure limits are exceeded (see Section II) or if respiratory irritation occurs, use of a NIOSH approved respirator appropriate for the conditions of use and chemicals in Section II should be considered.
Ventilation:	Local exhaust: Follow ACGIH Industrial ventilation recommendations. Mechanical (Recommended)- Provide ventilation suitable for type of building structure and work area.
Protective Gloves(Specify Type):	Rubber or other impervious gloves are recommended when handling undiluted product.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	For further guidance see 29 CFR 1910.132-138.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Store in a cool dry place away from strong oxidizers and extreme heat. Keep containers sealed and stored upright when not in use.
Other Precautions:	Keep out of reach of children.

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**THE CARBIDE GRINDER**

Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook

Effective Date: 01/09/2012

Changes: General review

Title: Manager, Regulatory Affairs

Supercedes: 09/22/2008

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