



# MATERIAL SAFETY DATA SHEET

PART NUMBERS 10 07 50

## SECTION 1

## PRODUCT IDENTIFICATION AND MANUFACTURE

**SUPPLIER:** METPREP LTD.  
CURRIERS CLOSE  
CHARTER AVENUE  
COVENTRY CV4 8AW  
TELEPHONE: 024 7642 1222  
FAX: 024 7642 1192

**PRODUCT:** DIAMOND CUT-OFF WHEEL

## SECTION 2

## SUBSTANCE HAZARD IDENTIFICATION

Potential Health Effects:

Eye : Dust may cause slight irritation.

Skin : Dust from this product may cause temporary mechanical irritation.

Inhalation: : Dusts from this product may cause mechanical irritation of the nose, throat and respiratory tract.

Ingestion : Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

Chronic Health Effects : Chronic health effects are not expected as long as good hygiene and proper safety precautions are practiced.

## SECTION 3

## COMPOSITION / INFORMATION ON INGREDIENTS

### Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Tin	7440-31-5	10.0 - 30 by weight	231-141-8
Copper	7440-50-8	60 - 100 by weight	231-159-6
Diamond	7782-40-3	10 - 30 by weight	



## SECTION 4 FIRST AID MEASURES

### Description of necessary measures:

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 – 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention, if irritation or symptoms of Overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get Medical attention if irritation develops or persists.
Inhalation:	If dust from cutting or drilling is inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.
Ingestion:	Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. If symptoms persist, call a physician.

### Indication of immediate medical attention and special treatment needed:

Note to Physicians: No information available.

## SECTION 5 FIRE FIGHTING MEASURES

Flammable Properties:	Non Flammable
Flash Point:	Does not apply
Auto Ignition Temperature:	Not determined
Lower Flammable/Explosive Limit	Not available
Upper Flammable/Explosive Limit	Not available
Extinguishing Media:	Use any extinguishing media appropriate for the surrounding fires.
Unsuitable extinguishing Media:	None.
Protective Equipment	As in any fire, wear self-contained breathing apparatus Pressure-demand, MSHA/NIOSH )approved or equivalent) and full protective gear.

### NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	1
NFPA Other:	





**SECTION 6 ACCIDENTAL RELEASE MEASURE**

Methods for containment: Containment of this material should not be necessary.

Methods for cleanup: Shovel or sweep up for re-use or disposal. Avoid creating Dusty conditions. Evaluate residue to determine if it is a Hazardous waste by characteristic. Dispose of in accordance with Local, State, Federal and Provincial regulations.

**SECTION 7 HANDLING AND STORAGE**

Handling: Always HANDLE AND STORE wheels in a CAREFUL manner. Always VISUALLY INSPECT all wheels before mounting. Always CHECK MACHINE SPEED against the established maximum Safe operating speed MARKED ON THE WHEEL.

Storage: No special storage conditions required.

Hygiene Practices: Wear suitable gloves and eye/face protection.

**SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION**

Engineering Controls: General dilution ventilation and/or local exhaust ventilation should be provided as necessary to maintain exposures below occupational exposure limits.

Eye/Face Protection: Always WEAR SAFETY GLASSES or some type of eye protection when grinding.

Skin Protection Description: Protective gloves. Long sleeved shirt and long pants.

Respiratory Protection: When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators. a properly fitted NIOSH approved disposable N95 type dust respirator or better is recommended.

Other Protective: Use of this product may create elevated sound levels. Hearing protection should be worn where required (see OSHA 29 CFR 1910.134 and other applicable regulations).

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid getting dust into boots and gloves through wrist bands and pant tucks.

**EXPOSURE GUIDELINES:**

Ingredient	Guideline OSHA	Guideline A CGIH	Quebec Canada	Alverta Canada	Mexico
Tin	PEL-TWA 2 mg/m <sup>3</sup>	TLV-TWA:2 mg/m <sup>3</sup>	VEMP-TWA:2 mg/m <sup>3</sup>	O EL-TW A: 2 mg/m <sup>3</sup>	LMPE-PPT: 2 mg/m <sup>3</sup> LMPE-CT: 4 mg/m <sup>3</sup>
Copper	TLV-TWA: 1 mg/m <sup>3</sup> (Dusts and/or mists as (Cu) TLV-TW A: 0.1 mg/m <sup>3</sup> (Fume as Cu)	TLV-TWA: 1 mg/m <sup>3</sup> (Dusts and/or mists as Cu) TLV-TW A: 0.2 mg/m <sup>3</sup> (Fume as Cu)	VEMP-TWA: 1 mg/m <sup>3</sup> VEMP-TWA: 0.2 mg/m <sup>3</sup>	O EL-TW A: 1 mg/m <sup>3</sup> O EL-TW A: 0.2 mg/m <sup>3</sup>	OEL-TWA: 1 mg/m <sup>3</sup> OEL-TWA0.2 mg/m <sup>3</sup>
<b>Ingredient</b>	<b>British Columbia Canada</b>				
Tin	OEL-TWA: 2 mg/m <sup>3</sup>				
Copper	OEL-TWA: 1 mg/m <sup>3</sup> OEL-TWA: 0.2 mg/m <sup>3</sup>				



## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance: Solid article.  
Odor: Odorless.  
Flash Point: Does any apply.  
Auto Ignition Temperature: Not determined

## SECTION 10 STABILITY AND REACTIVITY PROPERTIES

**Chemical Stability:** Stable under normal conditions.  
**Hazardous Polymerization:** Hazardous polymerization does not occur.  
**Conditions to Avoid:** Keep away from heat, sparks or open flame.  
**Special Decomposition Products:** In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the grinding wheel components. Coolants may produce other decomposition products.

## SECTION 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** This product has not been tested for its toxicity.

**Tin:**

RTECS Number: XP7320000

**Copper:**

RTECS Number: GL7440000

## SECTION 12 ECOLOGICAL INFORMATION

**Biodegradation:** In harsh environments, metal bonded products will decay similar to their metallic components.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste Disposal:** Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

## SECTION 14 TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.  
DOT UN Number: Not regulated as hazardous material for transportation.  
IATA Shipping Name: Not regulated as hazardous material for transportation.  
Canadian Shipping Name: This product is Not Regulated under the Transportation of Dangerous Goods Act. (CAN)



**SECTION 15 REGULATORY INFORMATION**

Safety, health & environmental regulations specific for the product:

**Inventory Status**

	<b>Canada DSL</b>	<b>TSCA Inventory Status</b>			
Tin	Listed	Listed			
Copper	Listed	Listed			

**Tin:**

Canada IDL: Identified under the Canadian Hazardous Products Act Ingredient Disclosure List: 0.1%.157(804)

**Copper:**

Canada IDL: Identified under the Canadian Hazardous Products Act Ingredient Disclosure List 0.1%.433(578)

Section 313: EPCRA – 40 CFR Part 372 – (SARA Title III) Section 313 Listed Chemical.

**Tin:**

EC Number: 231-141-8

**Copper:**

EC Number: 231-159-6

**State Right To Know**

	<b>MI</b>	<b>PA</b>	<b>MA</b>	<b>N3</b>	
Tin		Listed	Listed	Listed: NJ Hazardous List: Substance Number: 1858	
Nickel	Listed	Listed	Listed Massachusetts Oil and Hazardous List	Listed: NJ List : Substance Number: 0528	

**SECTION 16 OTHER INFORMATION**

**HMIS Ratings:**

HMIS Health Hazard 1  
HMIS Fire Hazard: 0  
HMIS Reactivity: 0  
HMIS Personal Protection: X