

**U.S. DEPARTMENT OF LABOR**  
**WORKPLACE STANDARDS ADMINISTRATION**  
 Bureau of Labor Standards

# MATERIAL SAFETY DATA SHEET

HMS\*

<b>H</b> HEALTH	1
<b>F</b> FLAMMABILITY	1
<b>R</b> REACTIVITY	0
PERSONAL PROTECTION	<b>B</b>

MSDS-101 (1981) NIOSH

### SECTION I

MANUFACTURER'S NAME <b>Ridge Tool Company</b>		EMERGENCY TELEPHONE NO. <b>216-323-5581</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>400 Clark Street, Elyria, Ohio 44035</b>		
CHEMICAL NAME AND SYNONYMS <b>Petroleum Cutting Oil</b>		TRADE NAME AND SYNONYMS <b>Ridge Dark Cutting Oil</b>
CHEMICAL FAMILY <b>Sulfurized Petroleum Hydrocarbons</b>	FORMULA <b>Confidential</b>	

### SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	S	TLV (Units)	ALLOYS AND METALLIC COATINGS	S	TLV (Units)
PIGMENTS	N/A		BASE METAL	N/A	
CATALYST	N/A		ALLOYS	N/A	
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS	N/A		FILLER METAL PLUS COATING OR CORE FLUX	N/A	
ADDITIVES	N/A		OTHERS		
OTHERS	N/A				

  

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	S	TLV (Units)
All ingredients used in manufacturing of this product meet current OSHA criteria.		

### SECTION III PHYSICAL DATA

BOILING POINT (P.P.)	<b>385°F</b>	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	<b>.923</b>
VAPOR PRESSURE (mm Hg.)	<b>10</b>	PERCENT VOLATILE BY VOLUME (S)	<b>33</b>
VAPOR DENSITY (AIR=1)	<b>N/A</b>	EVAPORATION RATE (Water = 1)	<b>&lt;1</b>
SOLUBILITY IN WATER	<b>None</b>		
APPEARANCE AND ODOR	<b>Color-black; odor-mild</b>		

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
<b>ASTM D-92 300°F</b>		<b>1.0</b>	<b>6.0</b>
EXTINGUISHING MEDIA	<b>Foam, dry chemical, carbon dioxide</b>		
SPECIAL FIRE FIGHTING PROCEDURES	<b>Fight as a Class B fire.</b>		
UNUSUAL FIRE AND EXPLOSION HAZARDS	<b>None</b>		

### SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Not Known

EFFECTS OF OVEREXPOSURE

Prolonged or repeated skin contact may cause mild skin irritation.

EMERGENCY AND FIRST AID PROCEDURES

Flush eyes copiously with water and contact a physician. For ingestion do not induce vomiting; call a doctor. Wash skin with warm, soapy water.

### SECTION VI REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

Avoid open flame or sparks

STABLE

X

INCOMPATIBILITY (Materials to avoid)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Upon combustion, hydrogen chloride, hydrogen sulphide, CO & CO<sub>2</sub>

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

### SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Soak up on oil absorbent material. Keep petroleum products out of streams and waterways.

WASTE DISPOSAL METHOD

Incinerate material in compliance with Federal, State and local laws or dispose in authorized landfill.

### SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Not recommended

VENTILATION

LOCAL EXHAUST  
Recommended

SPECIAL

Not required

MECHANICAL (General)  
Use ventilated area

OTHER

Not required

PROTECTIVE GLOVES

Oil resistant

EYE PROTECTION

Safety glasses or goggles

OTHER PROTECTIVE EQUIPMENT

Oil impervious apron if needed.

### SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid open flame or sparks.

OTHER PRECAUTIONS

None