

**40H - OIL HARD TOOL STEEL**  
**MATERIAL SAFETY DATA SHEET**

01/11/00

MSDS PROVIDED BY:  
**STOODY INDUSTRIAL AND WELDING SUPPLY, INC.**  
3316 National Ave., San Diego, Ca. 92113  
Phone: (619) 234-6750  
**MILITARY EMERGENCY RESPONSE NUMBER 1-800-851-8061**

Version Date 03/01/94 (REWRITTEN SIWS)

**40H - OIL HARD TOOL STEEL**

**SECTION 1**

**PRODUCT IDENTIFICATION**

COMPANY NAME WHO SENT MSDS .....	HARRIS WELCO. DIV. OF J.W. HARRIS CO.. INC
COMPANY ADDRESS.....	1051 YORK ROAD KINGS MOUNTAIN, NC 28086 (800)-424-9300
EMERGENCY PHONE NUMBER .....	
MSDS VERSION NUMBER.....	1
TRADE NAME .....	40H - OIL HARD TOOL STEEL
HAZARD RATING (HMIS) .....	NA
HMIS DESIGNATION KEY .....	NA

**SECTION 2**

**HAZARDOUS COMPONENTS**

<u>MATERIAL</u>	<u>% BY WEIGHT</u>	<u>CAS NUMBER</u>	<u>ACGIH TLV (Mg/M3)</u>	<u>SEC 313</u>
CHROMIUM	NA	7440 47-3	1.0	NA
MOLYBDENUM	NA	7439-98-7	10.0	NA
SILICON	NA	7440-21-3	5.0	NA
MANGANESE	NA	7439-96-5	1.0	NA
TUNGSTEN	NA	7440-33-7	5.0	NA
VANADIUM	NA	1314-62-1	.05	NA
TITANIUM DIOXIDE	NA	1317-65-7	10.0	NA
CALCIUM CARBONATE	NA	1317-65-3	15.0	NA
CALCIUM FLOURIDE	NA	14542-23-5	2.5	NA
POTASSIUM SILICATE	NA	1312-76-1	NA	NA
SODIUM SILICATE	NA	1344-09-8	NA	NA

**SECTION 3**

**PHYSICAL PROPERTIES**

BOILING POINT.....	NA
MELTING POINT .....	NA
VAPOR PRESSURE.....	NA
VAPOR DENSITY (AIR = 1).....	NA
SOLUBILITY IN WATER.....	NA
SPECIFIC GRAVITY .....	NA
EVAPORATION RATE.....	NA
APPEARANCE AND ODOR.....	SOLID ROD FLUX COATED

**SECTION 4**

**FIRE AND EXPLOSION DATA**

FLASH POINT.....	SEE AMERICAN NATIONAL STANDARD Z.49.1
EXTINGUISHING MEDIA .....	SEE AMERICAN NATIONAL STANDARD Z.49.1
SPECIAL PROCEDURES.....	SEE AMERICAN NATIONAL STANDARD Z.49.1
UNUSUAL HAZARDS .....	NA

**SECTION 5**

**REACTIVITY DATA**

STABILITY.....	STABLE
CONDITIONS TO AVOID.....	NA
HAZARDOUS POLYMERIZATION .....	WILL NOT OCCUR
CONDITIONS TO AVOID.....	NA
INCOMPATIBILITY .....	NA
HAZARDOUS DECOMPOSITION PRODUCTS.....	NA

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### SECTION 6

### HEALTH HAZARD DATA

ROUTES OF ENTRY .....	INHALATION
HEALTH HAZARDS .....	PULMONARY IRRITATION FROM DUST INHALATION
CARCINOGENICITY .....	CHROMIUM IS CONSIDERED POSSIBLE CARCINOGEN UNDER OSHA AND IS PRESENT IN THIS PRODUCT.
SIGNS & SYMPTOMS OF EXPOSURE .....	OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA , OR DRYNESS OR IRRITATION OF NOSE OR EYES.
MEDICAL CONDITIONS FROM EXPOSURE .....	COULD EFFECT PULMONARY FUNCTIONS.
EMERGENCY & FIRST AID.....	REMOVE TO FRESH AIR.
ADDITIONAL INFORMATION .....	NONE

### SECTION 7

### PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES .....	NA
WASTE AND DISPOSAL METHOD.....	FOLLOW FEDERAL, STATE, AND LOCAL REGULATIONS
HANDLING AND STORING PRECAUTIONS .....	NA
OTHER PRECAUTIONS.....	NORMAL HANDLING COLD. CAUTION WHEN HOT.

### SECTION 8

### CONTROL MEASURES

RESPIRATORY MEASURES .....	WELD FUME RESPIRATORY OR AIRLINES RESPIRATOR FOFT CONFINED SPACES.
VENTILATION .....	N SEMI-OPEN OR POOR VENTILATION SPACES USE LOCAL EXHAUST. MECHANICAL EXHAUST RECOMMENDED FOR POORLY NATURAL VENT SPACES.
PROTECTIVE GLOVES.....	WELDERS GLOVES.
EYE PROTECTION .....	FACE SHIELD & SAFETY GLASS #12.
OTHER PROTECTIVE EQUIPMENT .....	WELDERS CLOTHING FOR PROTECTION AGAINST SPARKS AND HOT MATERIALS.
HYGIENIC PRACTICES.....	DISPOSE OF WELDING STUBS AND KEEP SAFETY LENS CLEAN.

### SECTION 9

### DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. HARRIS WELCO MAKES NO WARRANTY TO AND DISCLAIMS ALL LIABILITY FROM RELIANCE.

### SECTION 10

### ADDITIONAL INFORMATION

NA = NOT APPLICABLE