

MATERIAL SAFETY DATA SHEET
HOUGEN COPPERHEAD™ CARBIDE TIPPED CUTTERS

******* SECTION 1 - IDENTIFICATION *******

HOUGEN MANUFACTURING, INC.
3001 Hougen Drive
P.O. Box 2005
Flint, MI 48501 - 2005
Telephone: (810) 635-7111 FAX: (810) 635-8277

******* SECTION 2 - HAZARDS IDENTIFICATION *******

FATALNESS GRADE: IN ACCORDANCE WITH DIRECTIVE 2001/58/EC, THE SAMPLES DO NOT BELONG TO DANGEROUS AND FLAMMABLE ARTICLE.

INVASION ROUTE: N/A HEALTH HAZARDS: N/A ENVIRONMENT HAZARDS: N/A BURN & BURST DANGER: N/A

******* SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS *******

PURE: ADMIXTURE: X

CAS NO.	CHEMICAL NAME	PERCENT
7440-44-0	C	0.37%
7439-98-7	Mo	1.3%
7440-62-2	V	1.00%
7439-96-5	Mn	0.35%
7440-47-3	Cr	5.02%
7440-21-3	Si	0.95%
7440-02-0	Ni	0.06%
7704-34-9	S	0.004%
7723-14-0	P	0.019%
N/A	OTHERS	N/A

******* SECTION 4 - FIRST AID MEASURES *******

SKIN TOUCH: WHEN SOMEONE IS HURT, GET MEDICAL AID.

EYES TOUCH: REMOVE IT. GET MEDICAL AID.

INHALATION: N/A

INGESTION: GET MEDICAL AID.

******* SECTION 5 - FIRE FIGHTING MEASURES *******

DANGER CHARACTERISTIC: THIS PRODUCT DOES NOT BURN.

HARMFUL COMBUSTION PRODUCTS: N/A

FIRE-FIGHTING METHOD & MEDIA: N/A

******* SECTION 6 - ACCIDENTAL RELEASE MEASURES *******

EMERGENCY TREATMENT: NEED NOT TAKE SPECIAL PROTECTION.

***** SECTION 7 - HANDLING AND STORAGE *****

HANDLING: BE CAREFUL NOT TO CAUSE WORKER SCRATCHES WITH THE EDGE.

STORAGE: KEEP THE SAMPLE IN A COOL, WELL-VENTILATED AND DRY PLACE.

***** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION *****

MAXIMUM ADMISSIBLE CONCENTRATION: NO STANDARD YET.

MONITORING METHODS: PREVENT DUST CONCENTRATION TO EXCEED STANDARD.

ENGINEERING CONTROLS: THE WORKPLACES NEED TO INSTALL VENTILATION DEVICE.

RESPIRATORY PROTECTION: GENERALLY DON'T NEED SPECIAL PROTECTION, WEARING DUST RESPIRATOR WHEN CONTACTING THE DUST.

EYES PROTECTION: GENERALLY DON'T NEED SPECIAL PROTECTION, WEARING CHEMICAL SAFETY PROTECTIVE GLASSES IN THE SPECIAL PRODUCTION PROCESS.

BODY PROTECTION: WEAR PROTECTIVE CLOTHING.

HANDS PROTECTION: WEAR GLOVES WHEN HANDLING.

OTHER PROTECTIONS: N/A

***** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES *****

FLASH POINT: N/A APPEARANCE: SILVER WHITE CYLINDER SOLID.

MELTING POINT: N/A ABSORPTION WAVELENGTH: N/A

BOILING POINT: N/A DENSITY: N/A

ACID VALUE: N/A PH VALUE: N/A

PERMISSION OF SOLVENT INHALATION: N/A

***** SECTION 10 - STABILITY AND REACTIVITY *****

STABILITY: STABLE UNDER NORMAL TEMPERATURES.

DISTRIBUTION OF BAN: N/A

CONDITIONS TO AVOID: AVOID CONTACT WITH STRONG ACID, ALKALI, STRONG OXIDIZING AGENTS.

HAZARDOUS POLYMERIZATION: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

***** SECTION 11 - TOXICOLOGICAL INFORMATION *****

ACUTE TOXICITY: N/A SUB-ACUTE AND CHRONIC TOXICITY: N/A IRRITATION: N/A

SENSITIZATION: N/A MUTAGENICITY: N/A CARCINOGENICITY: N/A

OTHERS: N/A

***** SECTION 12 - ECOLOGICAL INFORMATION *****

ECO-TOXICITY: N/A ECOLOGICAL INERT: N/A BIODEGRADABLE: N/A

NON-BIODEGRADABLE: N/A BIOCONCENTRATION OR BIOLOGICAL ACCUMULATION: N/A

OTHER HARMFUL EFFECTS: N/A

***** SECTION 13 - DISPOSAL CONSIDERATIONS *****

NATURE OF WASTE: N/A

WASTE DISPOSAL METHODS: REFER TO NATIONAL OR LOCAL REGULATIONS BEFORE HANDLING.

ATTENTION ABANDONED: N/A

***** SECTION 14 - TRANSPORT INFORMATION *****

NUMBER OF DANGEROUS GOODS: N/A

UN NUMBER: N/A

PACKAGING MARK: N/A

PACKAGING METHOD: N/A

TRANSPORT ATTENTIONS: EXAMINE WHETHER THE PACKAGE OF THE CONTAINERS ARE UNDAMAGED BEFORE TRANSPORT. NO COLLAPSE, NO PRECIPITATION OR NO DAMAGE DURING THE COURSE OF TRANSPORTATION. DON'T PUT THE GOODS TOGETHER WITH CHIEF FOOD CHEMICALS.

***** SECTION 15 - REGULATORY INFORMATION *****

REGULATORY INFORMATION: N/A

***** SECTION 16 - ADDITIONAL INFORMATION *****

REFERENCES: N/A

GUIDANCE DEPARTMENTS: N/A

DATA AUDIT UNIT: N/A

LAWS HELP: N/A

OTHER INFORMATION: THE ABOVE INFORMATION IS BASED ON THE DATA OF WHICH WE ARE AWARE AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. SINCE THIS INFORMATION MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH MAY BE UNFAMILIAR AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATA HEREOF MAY SUGGEST MODIFICATIONS OF THE INFORMATION, WE DO NOT ASSUME RESPONSIBILITY FOR THE RESULTS OF ITS USE. THIS INFORMATION IS FURNISHED UPON CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.

DATE OF LAST REVISION: 12/12/2017

The data contained in this form is the best presently available information.

Note: Hougen Manufacturing, Inc. shall in no event be responsible for any damage whatsoever, directly or indirectly, resulting from the publication or use of or reliance upon data contained herein. No warranty, either expressed or implied, or merchantability or fitness of any nature with respect to the product or to the data is made herein.