

MSDS FOR CAST STEEL GRIT, HIGH CARBON CAST STEEL GRIT

SECTION I : PRODUCTION IDENTIFICATION AND USE

PRODUCT NAMES : Cast Steel Grit, High Carbon Cast Steel Grit

CHEMICAL NAME AND SYNONYMS : Ferrous

MANUFACTURER/SUPPLIER'S NAME :

INTERNATIONAL SURFACE TECHNOLOGIES

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SECTION II : HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	% weight	OSHA TWA	ACGIH TWA
Iron	1309-37-1	>96	10 mg/m ³ (as nuisance dust)	5 mg/m ³
Manganese	74-39-96-5	0.60 - 1.20	5 mg/m ³	5 mg/m ³ C*
Carbon	7440-44-0	0.80 - 1.20	none est.	none est.
Silicon	7440-21-3	0.40 - 1.00	15 mg/m ³ (as nuisance dust)	10 mg/m ³

C* = ceiling limit, shall not be exceeded even for a short time.

SECTION III : PHYSICAL DATA

Melting Point	1371- 1482° C	Vapor Pressure	Not applicable (as nuisance dust)
Evaporation Rate	Not applicable	Vapor Density	Not applicable
Boiling Point	2850 - 3150° C	% Solid by Weight	100%
Solubility in Water	Not applicable	pH	Not applicable
Appearance and Odor	Steel grit is made of irregular particles in shape and light gray to dark in color NO CONFLICT MINERALS ARE USED TO MANUFACTURE THIS PRODUCT		



SECTION IV : FIRE AND EXPLOSION DATA

FLASH POINT	not applicable
AUTO IGNITION TEMPERATURE	930 °C (solid iron exposed to oxygen)
FIRE EXTINGUISHING METHOD	Use dry chemicals or sand to exclude air
HAZARDOUS COMBUSTION PRODUCTS	Cast Steel Shot will not burn or explode
SPECIAL FIRE FIGHTING PROCEDURES	The solid form of material is not combustible. Fire explosion hazards are moderate when material is in the form of dust and exposed to heat of flames, chemical reaction, or contact with powerful oxidizers.

SECTION V : HEALTH HAZARD DATA

THRESHOLD LIMIT	See Section II
CARCINOGENICITY	None of the ingredients listed by N.T.P., IARC or OSHA
PERMISSIBLE EXPOSURE LIMIT	See Section II
PRIMARY ROUTES OF ENTRY	Inhalation of dust or fumes created during use, or dust particulate in eyes.

Overexposure to dust containing the component elements of cast steel shot may cause skin, nose, mouth and eye irritation.

EMERGENCY AND FIRST AID PROCEDURE

EYE CONTACT	Flush with running water to remove particles. Seek additional medical attention if necessary.
SKIN CONTACT	Brush off excess dust, wash area with soap and water.
INHALATION	Remove to fresh air. Seek medical attention.
INGESTION	Seek medical help if large quantities of material have been ingested.

SECTION VI : REACTION DATA

STABILITY	Stable Hazardous Polymerization: will not occur
HAZARDOUS DECOMPOSITION PRODUCTS	None
Cast Steel Grit will wear away at a controlled rate through normal use.	


SECTION VII : SPILL AND LEAK PROCEDURE

Cast Steel Shot spilled or leaked onto floors can cause hazardous walking conditions. Spills or leaks should be vacuumed or swept from working areas. When cleaning up large quantities of dust, a NIOSH approved respirator should be worn. Spilled Cast Steel Shot can be reused or disposed of as a non-hazardous waste. Collected dust from blast cleaning or shot peening operations always contain contaminants from the surface of the parts being processed, and therefore the dust may be classified as a hazardous waste and, as such, must be disposed of according to appropriate Local, State or Federal regulations.

SECTION VIII : SPECIAL PROTECTION INFORMATION

VENTILATION	General and local exhaust ventilation should be provided to keep the dust.
RESPIRATORY PROTECTION	If dust created by use exceeds the TLV' indicated in Section II, a NIOSH approved respirator should be worn.
EYE PROTECTION	Approved safety glasses with side shields should be worn at all times. Safety eyewash stations should be provided in close proximity to the work area and have a laxative effect. Do not induce vomiting. Contact an Anti-Poison Center (1 800 463-5060).
OTHER PROTECTION EQUIPMENT	None required.

SECTION IX : SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS	Store material away from incompatible materials and keep dust away from sources of ignition. Keep dry to reduce rusting. Observe maximum floor loading limitations.										
EYE PROTECTION	The company has no control over this product or its use after it leaves our facility. The Company assumes no liability for loss or damage from the proper or improper use of this product. The information presented here has been compiled from sources considered to be reliable and accurate to the best of our knowledge and belief, but is not guaranteed										
OSHA RATING	 <table border="1" data-bbox="787 1449 1490 1797"> <thead> <tr> <th colspan="2">CAST STEEL GRIT</th> </tr> </thead> <tbody> <tr> <td>HEALTH</td> <td>1309-37-1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>74-39-96-5</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>7440-44-0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>7440-21-3</td> </tr> </tbody> </table>	CAST STEEL GRIT		HEALTH	1309-37-1	FLAMMABILITY	74-39-96-5	PHYSICAL HAZARD	7440-44-0	PERSONAL PROTECTION	7440-21-3
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