



SAFETY DATA SHEET

WAGMAN G₃ CONCRETE SYSTEMS

1. PRODUCT AND SUPPLIER IDENTIFICATION

Material/Product Name:	Wagman G ₃ Diamond Tooling 3 Inch
SDS ID No.:	7631-86-9
Product Use/Class:	Abrasive for floor grinding/ polishing

DISTRIBUTED BY:	EMERGENCY TELEPHONE NUMBER/S
Wagman Metal Products 400 South Albemarle Street York, PA 17403	717.854.2120 1.800.535.5053 (INFOTRAC)

2. HAZARD IDENTIFICATION

Classification:	
GHS Label Elements:	None
Symbol(s):	None
Signal Word(s):	None
Hazard Statement(s):	None
Precautionary Statements(s):	P261 Avoid breathing dust/mists P264 Wash hands thoroughly after handling P280 Wear protective gloves/clothing/eye/face protection
Response:	P330 Rinse Mouth P302+P252 IF ON SKIN: Wash with plenty of soap and water

	P332+P313 If skin irritation occurs: Get medical advice/attention P362 Take off contaminated clothing and wash before re-use P307+P311 IF exposed: Call a POISON CENTER or doctor/physician P314 Get medical advice/attention if you feel unwell
Storage:	P402+P404 Store in a dry place. Store in closed container.
Disposal:	P501 Dispose of contents/container according to all applicable Local/State/Federal regulations
Other Hazards:	See Section 11 for health effects. See Section 12 for environmental effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (% by wt)</u>
Diamond	7782-40-3	1-10%
Nickel	7440-02-0	1-8%
Iron	7439-89-6	30-50%
Carbon	7440-44-0	0-1%
Silicon	7440-21-3	20-50%
Chromium	7440-47-3	0-1%
Manganese	7439-96-5	0-1%
Molybdenum	7439-98-7	0-1%
Boron	7440-42-8	0-1%
The specific percentages of composition have been withheld as trade secrets		

4. FIRST AID MEASURES

<u>First Aid Measures:</u>	
Eye:	Not possible, due to the form of the product
Skin:	No harmful effects known

Inhalation:	Not possible, due to the form of the product
Oral:	Not likely, due to the form of the product If necessary contact physician
Most important symptoms/ effects:	None Known
Notes to physician	No hazards which require special first aid measures

5. FIRE FIGHTING MEASURES

Flammability assessment:	Not flammable
Unsuitable extinguishing media:	None Known
Specific firefighting measures:	All extinguishing methods are suitable for any firefighting in area of product storage or use.
Specific hazards during firefighting:	Toxic fumes may occur
Special protective equipment and precautions for firefighters	As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Not applicable
Methods and materials for containment and cleaning up	Not applicable

7. HANDLING AND STORAGE

Precautions for safe handling	Follow instructions and the relevant national regulations.
Conditions for safe storage	Observe the safety recommendations of the manufacturer.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

EXPOSURE LIMITS

Before cutting risk assessment should be performed and individual personal protection measures adopted accordingly.

8.1 Exposure Limits Keep limits of the following components under surveillance.
(Observe the regional official regulations for dust)

Name	CAS	OSHA PEL	ACGIH TLV
Nickel	7440-02-0	1.0 mg/m ³	1.5 mg/m ³
Carbon	7440-44-0	3.5 mg/m ³	3.0 mg/m ³
Silicon	7440-21-3	5.0 mg/m ³	10.0 mg/m ³
Chromium	7440-47-3	0.5 mg/m ³	0.5 mg/m ³
Manganese	7439-96-5	5.0 mg/m ³	0.02 mg/m ³
Molybdenum	7439-98-7	15.0 mg/m ³	10.0 mg/m ³

Note: Hazardous dust of work piece material may be generated during grinding and/or cutting operations.

8.2. Exposure control and limitations

8.2.1. Exposure control and limitations of the work environment Observe the regional official regulations for dust

8.2.1.1. Respiratory protection: Use respiratory equipment (type depends on specific application and material being ground)

8.2.1.2. Hand protection: Wear protective gloves (type depends on specific application and material being ground)

8.2.1.3. Eye protection: Wear protective hats, goggles or face shield (type depends on specific application and material being ground)

8.2.1.4. Hearing protection: Use hearing protection (type depends on specific application and material being ground)

8.2.1.5. Body protection: Use protective clothing (type depends on specific application and material being ground)

Work piece material (Since the silica(SiO₂) occurs within material of concrete, stone, tile, etc., wear protective equipment in processing)

Engineering Controls

Local Ventilation: Provide adequate exhaust ventilation to keep dust concentration below occupational exposure guidelines (3mg/m³)

General Ventilation: Recommended

Personal Protective Equipment for Routine Handling and Spills

Eyes: Wear safety glasses with side shields (or goggles) and a face shield

Skin: The glove(s) listed below may provide protection against permeation

Suitable Gloves: Rubber, leather, latex, nitrile

Inhalation/Suitable Respirator: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH’s “Respirator Decision Logic” may be useful in determining the suitability of various types of respirators.

Precautionary Measures: Wash hands before eating or smoking. Remove contaminated clothing and wash before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES	
Flash Point	N/A
Flammability Limits in Air	
Lower Limit	N/A
Upper Limit	N/A
Auto-ignition Temperature	N/A
Decomposition Temperature	N/A
Flammability	Not Flammable
Odor	None
Odor Threshold	N/A
pH (100% @ 25 degrees Celsius)	9.0-10.5
Melting/Freezing Point	32 F/ 0 C
Boiling Point	212 F/ 100 C
Evaporation Rate	N/A
Viscosity @ 25 C	<100 cPs
Volatile Organic %	ND
Vapor Pressure	N/A
Vapor Density (Air)	ND

Bulk Density @ 25 C	1.0-1.5
Solubility in Water	N/A
Partition Coefficient (n-octanol/water)	N/A
The Physical data presented here are representative values, as the actual product's values may vary slightly	

10. STABILITY AND REACTIVITY

Reactivity	None expected
Chemical Stability	Stable under normal storage/use condition
Possibility of hazardous reactions	None known
	None known
Incompatible materials	None known
Hazardous decomposition products	None Known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral:	Information not available
Dermal:	Information not available
Inhalation:	Information not available
Skin corrosion/irritation:	Rabbit: Not irritating
Serious eye damage/irritation:	Rabbit: Not irritating
Respiratory sensitization:	Silicosis or other product specific illness or the respiratory tract has not been reported
Skin sensitization:	Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash)
Specific Target Organ Toxicity (single exposure):	Information not available
Aspiration hazard:	Information not available

Chronic Effects

Germ cell mutagenicity:	Negative
Carcinogenicity:	Not expected
Reproductive toxicity:	Not expected
Specific Target Organ Toxicity (repeated exposure):	Not determined
<u>Likely Routes of Exposure/Symptoms:</u>	
Eye:	May cause eye irritation
Skin:	Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash)
Inhalation:	Prolonged inhalation may cause irritations of the respiratory tract
Oral:	No hazard expected in normal use

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	
Toxicity to fish:	No effects known
Toxicity to daphnia:	No effects known
Persistence and degradability	no biodegradable potentials known
Bioaccumulative potential	no potentials known
Mobility in soil	no potentials known
Other adverse effects	No effects known

13. DISPOSAL CONSIDERATIONS

Disposal considerations:	Dispose as dry waste in accordance with all local, state and federal regulations
Empty container warnings	If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing

	the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)
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14. TRANSPORT INFORMATION	
DOT Road Shipment Information (49 CFR 172.101)	Not regulated by DOT, IMDG, ICAO/IATA
Air Shipment (IATA)	Not regulated by DOT, IMDG, ICAO/IATA
Ocean Shipment (IMDG)	Not regulated by DOT, IMDG, ICAO/IATA
Transport in bulk:	Not regulated by DOT, IMDG, ICAO/IATA

15. REGULATORY INFORMATION

International Chemical Inventory Status

USA (TSCA)	Components of this product are listed
DSL	Components of this product are listed
EINICS	Components of this product are listed
AICS	Components of this product are listed
CANADIAN WHMIS	This SDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings
CANADIAN WHMIS CLASS	Not a WHMIS control material

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances

Component Name	CAS Number	WT%	Hazard
None			

Section 304 CERCLA Hazardous Substances

Component Name	CAS Number	WT%	Reportable Quantity (#)
None			

Section 312 Hazard Class

Acute:	No
Chronic	No
Fire:	No
Pressure:	No
Reactivity:	No

Section 313 Toxic Chemicals			
Only chemicals which exceed the reporting threshold are included below:			
Component Name	CAS Number	WT%	
None			
Other Regulatory Concerns			
State right to know:			
CA Proposition 65: Nickel and cadmium are known to the State of California to cause cancer or reproductive toxicity			

16. OTHER INFORMATION	
Revision date:	4.19.2022
Reason for change:	Initial
Revised by:	RL
Reviewed by:	
Approval date:	
Version	1.0

	Health	Fire	Reactivity	Special
HMIS:	1		0	0

NOTE	HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in the SDS must be considered.	Disclaimer	This safety data (SDS) was prepared in accordance with the 29 CFR 1910.1200. The information contained herein is based upon data available to us and reflects our best professional judgement. However, no warranty is expressed or implied regarding the accuracy of such
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			<p>information or the results obtained from the use Thereof. We assume no legal responsibility whatsoever for any damage resulting from reliance upon this information since it is being furnished upon the condition that the person receiving it shall make his or her own determination of the suitability of the material described herein for a particular application, storage, or disposal situation.</p>
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