



# SAFETY DATA SHEET

Issuing Date 05-Jun-2015

Revision Date 05-Jun-2015

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Superabrasive Resin or Vitrified Bond Honing Stone or Superabrasive Plated Tool

### Other means of identification

**Product Code(s)** PRODUCT IDENTIFIER SDS085

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Abrasive tool used in honing.

**Uses advised against** No information available

### Supplier's details

#### **Supplier Address**

Sunnen Products  
7910 Manchester Road  
Saint Louis, MO 63143  
314-781-2100  
Website: www.sunnen.com

### Emergency telephone number

**Emergency Telephone Number** 1 (314) 781-2100 8 a. m. - 3 p.m. C.S.T (US)  
Email: SDS@sunnen.com

## 2. HAZARDS IDENTIFICATION

### Classification

Downstream use of this product, results in hazardous elements being emitted under certain processing conditions such as but not limited to: abrading, cutting, welding, sanding, burning, milling or grinding. The classifications given below pertains to when used during these processes.

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 1B
Specific Target Organ Toxicity (Repeated Exposure)	Category 1

### GHS Label elements, including precautionary statements

#### Emergency Overview

**Signal Word** Danger

## Hazard Statements

- Causes skin irritation
- Causes serious eye irritation
- May cause an allergic skin reaction
- Suspected of causing genetic defects
- May cause cancer
- May damage fertility or the unborn child
- Causes damage to organs through prolonged or repeated exposure

**Appearance** Varies**Physical State** Solid (compressed).**Odor** None**Precautionary Statements****Prevention**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wash face, hands and any exposed skin thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- If exposed or concerned: Get medical attention/advice

**Eyes**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

**Skin**

- IF ON SKIN: Wash with plenty of soap and water.
- Take off contaminated clothing and wash before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.

**Storage**

- Store locked up.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Very toxic to aquatic life Very toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade secret
Aluminum oxide	1344-28-1	8-51	*

Nickel phosphide (Ni <sub>2</sub> P)	12035-64-2	0-33	*
Nickel	7440-02-0	0-29	*
Silica, cristobalite	14464-46-1	0-11	*
Boron oxide	1303-86-2	0-7	*
Titanium	7440-32-6	0-6	*
Phosphorus	7723-14-0	0-4	*
1,3,5,7-Tetraazatricyclo[3.3.1.1 <sup>3,7</sup> ]decane	100-97-0	0-4	*
Magnesium oxide fume	1309-48-4	0-3	*
Phenol	108-95-2	0-2	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of necessary first-aid measures

**General Advice** As a solid object the honing stone presents no hazard at normal temperatures. However if modified for use by abrading, grinding, cutting or processing in another fashion that creates potentially hazardous dust or fumes can result in exposure by inhalation, swallowing or come in contact with skin or eyes. The information below is for these instances.

**Eye Contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Skin Contact** Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.

**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

**Ingestion** IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell

##### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** Irritation Rashes Itching

##### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** None

##### Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors.

##### Explosion Data

**Sensitivity to Mechanical Impact** None.  
**Sensitivity to Static Discharge** None.

##### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid dust formation. Avoid inhalation of dust. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

**Environmental Precautions**

**Environmental Precautions** Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

**Methods for Containment** None required.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Handling** None required under normal usage. If exposed to dust: Avoid dust formation. Ensure adequate ventilation. Do not breathe dusts or fumes. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage** Store in accordance with the particular national regulations

**Incompatible Products** Acids, Bases, Strong oxidizing agents.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters**

**Exposure Guidelines** Occupational exposure limits apply to some of the components resulting from abrading, cutting or grinding producing dust or fumes.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum oxide 1344-28-1	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	-
Silicon carbide 409-21-2	TWA: 10 mg/m <sup>3</sup> nonfibrous, inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica TWA: 3 mg/m <sup>3</sup> nonfibrous, respirable fraction, particulate matter containing no asbestos and <1% crystalline silica TWA: 0.1 fiber/cm <sup>3</sup> respirable fibers, including whiskers, length >5 μm, aspect ratio ≥3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Nickel phosphide (Ni <sub>2</sub> P) 12035-64-2	TWA: 0.2 mg/m <sup>3</sup> Ni inhalable fraction	TWA: 1 mg/m <sup>3</sup> Ni (vacated) TWA: 1 mg/m <sup>3</sup> Ni	IDLH: 10 mg/m <sup>3</sup> Ni TWA: 0.015 mg/m <sup>3</sup> except Nickel carbonyl Ni
Nickel 7440-02-0	TWA: 1.5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> TWA: 0.015 mg/m <sup>3</sup>

Silica, cristobalite 14464-46-1	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	(vacated) TWA: 0.05 mg/m <sup>3</sup> respirable dust : (1/2)(30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total dust : (1/2)(250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (1/2)(10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction	IDLH: 25 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Boron oxide 1303-86-2	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 2000 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>
Phosphorus 7723-14-0	-	TWA: 0.1 mg/m <sup>3</sup> (vacated) TWA: 0.1 mg/m <sup>3</sup>	IDLH: 5 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>
Magnesium oxide fume 1309-48-4	TWA: 10 mg/m <sup>3</sup> inhalable fraction	TWA: 15 mg/m <sup>3</sup> fume, total particulate (vacated) TWA: 10 mg/m <sup>3</sup> total particulate	IDLH: 750 mg/m <sup>3</sup> fume
Phenol 108-95-2	TWA: 5 ppm S*	TWA: 5 ppm TWA: 19 mg/m <sup>3</sup> (vacated) TWA: 5 ppm (vacated) TWA: 19 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 250 ppm Ceiling: 15.6 ppm 15 min Ceiling: 60 mg/m <sup>3</sup> 15 min TWA: 5 ppm TWA: 19 mg/m <sup>3</sup>
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	30/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, Total Dust; 250/(%SiO <sub>2</sub> +5) mppcf TWA, respirable fraction; 10/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, respirable TWA: 0.1 mg/m <sup>3</sup> (vacated)	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
     Eyewash stations  
     Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      Safety glasses with side-shields.  
**Skin and Body Protection**                No protective equipment is needed under normal use conditions. Skin protection is not normally required for short exposures when honing with oil. Gloves and protective clothing should be worn if any operation generates dust.  
**Respiratory Protection**                    Not normally required when honing with oil. In the case of dust or aerosol formation use respirator with an approved filter.  
**Hygiene Measures**                            Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical State**                                Solid (compressed).  
**Odor**    None.    **Appearance**                                Varies.  
     **Odor Threshold**                            No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	Not applicable	None known
Melting Point/Range	Not applicable	None known
Boiling Point/Boiling Range	Not applicable	None known
Flash Point	Not applicable.	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	

Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	Not applicable	None known
Water Solubility	Insoluble in water.	None known
Solubility in other solvents	Insoluble	None known
Partition coefficient: n-octanol/water	Not applicable	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	Solid	None known

**Flammable Properties** Not flammable

**Explosive Properties** No data available

**Oxidizing Properties** No data available

#### Other information

**VOC Content (%)** Not applicable.

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

Acids, Bases, Strong oxidizing agents.

### Hazardous decomposition products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

##### **Inhalation**

Product does not present an acute toxicity hazard based on known or supplied information. May cause irritation of respiratory tract. Inhalation of respirable particles of dust can cause lung fibrosis. Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count.

##### **Eye Contact**

Causes serious eye irritation

##### **Skin Contact**

Causes skin irritation. May cause sensitization by skin contact.

##### **Ingestion**

Not an expected route of exposure.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Aluminum oxide	> 5000 mg/kg ( Rat )	-	-
Nickel	> 9000 mg/kg ( Rat )	-	-
Boron oxide	= 3150 mg/kg ( Rat )	-	-
Phosphorus	= 3.03 mg/kg ( Rat )	= 100 mg/kg ( Rat )	= 4.3 mg/L ( Rat ) 1 h
1,3,5,7-Tetraazatricyclo[3.3.1.1 <sup>3,7</sup> ]decane	= 9200 mg/kg ( Rat )	-	-
Phenol	= 317 mg/kg ( Rat )	= 525 mg/kg ( Rat ) = 630 mg/kg ( Rabbit )	= 316 mg/m <sup>3</sup> ( Rat ) 4 h

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Irritation Allergic skin reactions or irritation.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Nickel phosphide (Ni <sub>2</sub> P)	A1	Group 1	Known	X
Nickel		Group 2B	Reasonably Anticipated	X
Silica, cristobalite	A2	Group 1		X
Phenol		Group 3		

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Reproductive Toxicity**

Some lithium ions and compounds have been shown to cause reproductive effects in animals. There is insufficient data to show if the lithium compounds present in this product will cause similar effects.

**STOT - single exposure**

May cause respiratory irritation

**STOT - repeated exposure**

Causes damage to organs through prolonged or repeated exposure if inhaled

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity - Product**

The following values are calculated based on chapter 3.1 of the GHS document: Not applicable

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Product in its current form (solid) is not likely to be a hazard to the environment. Toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)

Nickel 7440-02-0	EC50 72 h: = 0.18 mg/L (Pseudokirchneriella subcapitata) EC50 96 h: 0.174 - 0.311 mg/L static (Pseudokirchneriella subcapitata)	LC50 96 h: > 100 mg/L (Brachydanio rerio) LC50 96 h: = 1.3 mg/L semi-static (Cyprinus carpio) LC50 96 h: = 10.4 mg/L static (Cyprinus carpio)	-	EC50 48 h: > 100 mg/L (Daphnia magna) EC50 48 h: = 1 mg/L Static (Daphnia magna)
Boron oxide 1303-86-2		LC50 72 h: = 0.57 g/L flow-through (Carassius auratus)		EC50 48 h: 370 - 490 mg/L (Daphnia magna)
Phosphorus 7723-14-0	-	LC50 96 h: 0.001-0.004 mg/L static (Lepomis macrochirus) LC50 96 h: 0.0017-0.0035 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 0.011-0.028 mg/L static (Pimephales promelas) LC50 96 h: 0.015-0.032 mg/L static (Oncorhynchus mykiss) LC50 96 h: > 100 mg/L static (Brachydanio rerio)	-	EC50 48 h: 0.025 - 0.037 mg/L Static (Daphnia magna) EC50 48 h: = 0.03 mg/L (Daphnia magna)
1,3,5,7-Tetraazatricyclo[3.3.1.1 <sup>3,7</sup> ]decane 100-97-0		LC50 96 h: 44600-55600 mg/L flow-through (Pimephales promelas)		EC50 48 h: 29868 - 43390 mg/L (Daphnia magna)
Phenol 108-95-2	EC50 96 h: = 46.42 mg/L (Pseudokirchneriella subcapitata) EC50 96 h: 0.0188 - 0.1044 mg/L static (Pseudokirchneriella subcapitata) EC50 72 h: 187 - 279 mg/L static (Desmodesmus subspicatus)	LC50 96 h: 11.9 - 50.5 mg/L flow-through (Pimephales promelas) LC50 96 h: 20.5 - 25.6 mg/L static (Pimephales promelas) LC50 96 h: = 32 mg/L (Pimephales promelas) LC50 96 h: 5.449 - 6.789 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 7.5 - 14 mg/L static (Oncorhynchus mykiss) LC50 96 h: 4.23 - 7.49 mg/L semi-static (Oncorhynchus mykiss) LC50 96 h: 5.0 - 12.0 mg/L (Oncorhynchus mykiss) LC50 96 h: = 13.5 mg/L static (Lepomis macrochirus) LC50 96 h: 11.9 - 25.3 mg/L flow-through (Lepomis macrochirus) LC50 96 h: = 11.5 mg/L semi-static (Lepomis macrochirus) LC50 96 h: 34.09 - 47.64 mg/L static (Poecilia reticulata) LC50 96 h: = 31 mg/L semi-static (Poecilia reticulata) LC50 96 h: = 27.8 mg/L (Brachydanio rerio) LC50 96 h: = 0.00175 mg/L semi-static (Cyprinus carpio) LC50 96 h: 33.9 - 43.3 mg/L flow-through (Oryzias latipes) LC50 96 h: 23.4 - 36.6 mg/L static (Oryzias latipes)	EC50 21 - 36 mg/L 30 min EC50 = 23.28 mg/L 5 min EC50 = 25.61 mg/L 15 min EC50 = 28.8 mg/L 5 min EC50 = 31.6 mg/L 15 min	EC50 48 h: 4.24 - 10.7 mg/L Static (Daphnia magna) EC50 48 h: 10.2 - 15.5 mg/L (Daphnia magna)

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

Chemical Name	Log Pow
Phenol	1.47



**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Where possible recycling is preferred to disposal or incineration.

**Contaminated Packaging**

Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** Complies  
**DSL** Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Nickel phosphide (Ni <sub>2</sub> P)	12035-64-2	33	0.1
Nickel	7440-02-0	29	0.1
Phosphorus	7723-14-0	4	1.0
Phenol	108-95-2	2	1.0

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire Hazard** No  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Nickel phosphide (Ni2P)		X		
Nickel		X	X	
Phosphorus	1 lb			X
Phenol	1000 lb	X	X	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Nickel	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Phosphorus	1 lb	1 lb	RQ 1 lb final RQ RQ 0.454 kg final RQ
Phenol	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Nickel phosphide (Ni2P)	12035-64-2	Carcinogen
Nickel	7440-02-0	Carcinogen
Quartz	14808-60-7	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Aluminum oxide	X	X	X		X
Silicon carbide	X	X	X		X
Nickel phosphide (Ni2P)			X	X	X
Nickel	X	X	X	X	X
Silica, cristobalite	X	X	X		
Boron oxide	X	X	X		X
Titanium	X				
Phosphorus	X	X	X	X	X
1,3,5,7-Tetraazatricyclo[3.3.1.1 <sup>3,7</sup> ]decane	X				
Magnesium oxide fume	X	X	X		X
Phenol	X	X	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards -
<b>HMIS</b>	Health Hazard 2*	Flammability 0	Physical Hazard 0	Personal Protection X

\*Indicates a chronic health hazard.

**Prepared By** Product Stewardship  
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Latham, NY 12110  
1-800-572-6501

**Issuing Date** 05-Jun-2015  
**Revision Date** 05-Jun-2015

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**Revision Note**

Initial Release.

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet****PRODUCT LABEL ON FOLLOWING PAGE**



## SUPERABRASIVE RESIN OR VITRIFIED BOND HONING STONE OR SUPERABRASIVE PLATED TOOL PRODUCT

### IDENTIFIER SDS-085

CONTAINS: <52% Aluminum Oxide CAS 1344-28-1, <34% Nickel Phosphide Ni<sub>3</sub>P CAS 12035-64-2, <30% Nickel CAS 7440-02-0, <12% Silica cristobalite CAS 14464-46-1, <8% Boron oxide CAS 1303-86-2, <7% Titanium CAS 7440-32-6, <5% Phosphorus CAS 7723-14-0, <5% 1,3,5,7-Tetraazatricyclo[3.3.1.1.3.7]decane CAS 100-97-0, <4% Magnesium oxide fume CAS 1309-48-4 and <3% Phenol CAS 108-95-2

#### PRECAUTIONARY STATEMENTS

**PREVENTION:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

**GENERAL ADVICE:** If exposed or concerned: Get medical attention/advice.

**SKIN: IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**INHALATION: IF INHALED:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

**STORAGE:** Store locked up.

**DISPOSAL:** Dispose of contents/container to an approved waste disposal plant.

**HAZARD NOT OTHERWISE CLASSIFIED (HNOC):** Not applicable.

**OTHER INFORMATION:** Very toxic to aquatic life with long lasting effects.

SUNNEN PRODUCTS  
7910 MANCHESTER ROAD  
ST. LOUIS, MO 63143 U.S.A.  
314-781-2105

## DANGER

**May cause an allergic skin reaction. Suspected of causing genetic defects. May cause cancer. Causes skin irritation. Causes serious eye irritation. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.** Appearance: Varies. Physical State: Solid Odor: None

#### FIRST AID

As a solid object the honing stone presents no hazard at normal temperatures. However when used in the normal manner or if modified for use by abrading, grinding, cutting or processing in another fashion that creates potentially hazardous dust or fumes can result in exposure by inhalation, swallowing or come in contact with skin or eyes. The information below is for these instances.

**INHALATION:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician. **SKIN**

**CONTACT:** Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.

**EYE CONTACT :** Remove contact lenses if convenient to do so. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.

**INGESTION:** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

#### IN CASE OF FIRE

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not breath fumes.