

Material Safety Data Sheet

Number: **DMN0003**

Product Name: **3 C's Metal Cleaner**

Acidic abrasive cleaning powder.

Revised: 2/8/06

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Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Crystalline Silica (Quartz)	14808-60-7	30 - 60%	No
Respirable Crystalline Silica (Quartz Dust)	14808-60-7	2 - 3%	IARC - Group 1 carcinogenic to humans NTP - known to be a human carcinogen ACGIH - A2 suspected human carcinogen)
Oxalic Acid	144-62-7	2 - 10%	No

Section 3 - Hazards Identification

Emergency Overview: Avoid inhaling dust which contains some respirable silica which is a carcinogen and may cause silicosis. The product does not burn. A light gray odorless granular solid.

Health Hazards: Irritant

Physical Hazards: None

Primary Routes of Entry: ___Through Skin XInhalation ___Ingestion

Potential Health Effects:

Eyes - dust may cause irritation. Powder causes mechanical and chemical irritation and possible damage.

Skin - contact may cause irritation. Repeated contact may cause dermatitis.

Swallowing - results in irritation of mucous membranes. Nausea, vomiting, cramps and diarrhea may occur.

Breathing - dust may cause irritation, coughing. May aggravate asthma and other respiratory and lung illnesses.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention.

Skin Contact: Wash with soap and water. If irritation persists, get medical attention.

Inhalation: Move the exposed person to fresh air. If irritation persists, get medical attention.

Ingestion: If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water to drink. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Flash Point: none. (ASTM D-56 closed cup)

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

Extinguishing Media: Any

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: None.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Sweep up and reuse or dispose of in trash.

Section 7 - Handling and Storage

None.

Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Crystalline Silica (Quartz grains)	14808-60-7	30 - 60%	-	-	-
Respirable Crystalline Silica (Dust)	14808-60-7	2 - 3%	10 mg/m ³ /%SiO ₂ +2TWA(1) 0.05 mg/m ³ /%SiO ₂ +2TWA(2)	-	-
Oxalic Acid	144-62-7	2 - 10%	1 mg/M ³	-	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

Ventilation: None when used as directed.

Respiratory Protection: None when used as directed. If dust is a problem, wear a NIOSH approved dust mask.

Gloves: If irritation occurs, wear neoprene or latex gloves. Disposable gloves may wear through from abrasive.

Eye Protection: None.

Other Protective Equipment: None.

Section 9 - Physical and Chemical Properties

Boiling Point: Not Applicable

Vapor Pressure: Not Applicable

Specific Gravity: 0.7

Vapor Density: Not Applicable

Percent Volatiles: 0%

Evaporation Rate: Not Applicable

Solubility In Water: Insoluble

pH: of 10% w/w solution: 2.0 ± 0.5

Appearance and Odor: Light gray odorless granular solid.

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: Lungs. Inhalation exceeding the PEL may cause silicosis after years of exposure. Only the respirable portion of silica (dust) is hazardous. This about 1% of the product. Since the product is used wet the amount in the air is very limited. The IDLH of respirable silica is 50 mg/m³.

Section 12 - Ecological Information

Not hazardous.

Section 13 - Disposal Considerations

Waste Disposal Method: Throw in trash.

Section 14 - Transport Information

D.O.T. Hazard Class: Not considered hazardous by D.O.T., I.M.C.O., I.A.T.A. or U.N.

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:1 F:0 I:0 **HMIS® III:** H:1 F:0 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 6/10/97. Updated to ANSI format.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.