



ICE STONES LTD.

Tuval 21 Ramat-Gan, Yahalom Building, Israel Tel: 972-6124489/ Fax:972-5752981/ VAT Number: 515004018

Ice Stones Israel LTD

Material Safety Data Sheet

DIAMOND CLEANER POWDER

Section 1: Chemical Product and Company Identification

Trade name:	Diamond Cleaner		
Product type and use:	Low reactive powder for diamonds		
Supplier:	Ice Stones Israel LTD		
Emergency telephone number of the company and/or of an authorised advisory centre:	Ice Stones Israel LTD Tel. +972-3-5752981 Fax. +972-3-5752981		
Contact Person:	Dr. Joseph Petrover		

Section 2: Composition and Information of Ingredients

Composition: (COMMERCIALY CONFIDENTIAL)

Name	Classification	CAS #	% by Weight
Corrosive Solid	X; R38/36, C; R35, R41	N/A	N/A
Oxidizing Solid	R8	N/A	N/A
Non Active Salt	N/A	N/A	N/A
Surfactant	N/A	N/A	N/A

Please contact us if more data necessary.

Section 3: Hazards Identification

Dangerous substance.

Classifications according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Corrosive solids, Oxidizing solids.

Potential Acute Health Effects:

Hazardous in case of direct skin and eye contact, of ingestion, of inhalation. The amount of tissue damage depends on length of contact. Do not swallow the powder – it may be dangerous.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to upper respiratory tract, skin, eyes (with non-protected direct contact)

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for



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at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact:

In case of contact, flush skin with plenty of water for at least 5 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. No need medical attention.

Serious Skin Contact:

Wash with water at least 15 minutes and diluted vinegar if need and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.

WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: acids

Explosion Hazards in Presence of Various Substances: Not available.

Fire Fighting Media and Instructions: Not applicable.

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.

Large Spill:

Corrosive solid. Do not breathe dust. Prevent entry into sewers, basements or confined areas. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:

Keep container dry. Do not ingest. Do not breathe dust. In case of non-insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as organic materials, acids, moisture.

Storage: Keep container tightly closed. Keep container in a dry and room temperature.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation if needed, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.



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Personal Protection:

Splash goggles. Synthetic apron. Vapor and dust respirator depended on quantity. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

CEIL: 2 (mg/m³) from OSHA (PEL) [United States] CEIL: 2 (mg/m³) from ACGIH (TLV) [United States]
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Solid pellets.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: Not available

Color: White.

pH: Not available (solid)

Boiling Point: Not available.

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility:

Easily soluble in cold water, hot water. Insoluble in diethyl ether.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, dust generation, exposure to moist air or water.

Incompatibility with various substances:

Highly reactive with acids. Reactive with organic materials, metals, moisture.

Corrosivity:

Extremely corrosive in presence of aluminum, brass, and zinc. Slightly corrosive in presence of copper, of stainless steel (304).

Non-corrosive in presence of stainless steel (316).

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): Not available.

Chronic Effects on Humans:

MUTAGENIC EFFECTS: Not available.

Other Toxic Effects on Humans:

Hazardous in case of inhalation (lung corrosive). Hazardous in case of skin contact (corrosive, irritant), of eye contact (corrosive), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Section 12: Ecological Information



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Ecotoxicity: Ecotoxicity in water (LC50): 80 mg/l 24 hours [Mosquito Fish].

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

A small amount of powder and products of decomposition can be poured sewage.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Class 8: Corrosive Solids

Identification by Active Material: Corrosive Solids, solid UNNA: 3084

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information by Active Material

ISRAELI Regulations:

Israeli Regulations – Hazardous Substances Law, 1993, Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990, Hazardous Substances Regulations (Import and Export of Hazardous Wastes), 1994, Licensing of Businesses Regulations (Hazardous Industrial Plants), 1993, Transport Services Law, 1997, Licensing of Businesses Regulations (Oil Storage), 1976.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 2

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 1

Specific hazard:

Protective Equipment:

Gloves. Synthetic apron. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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