

Material Safety Data Sheet

Number: **DMN0195**

Product Name: **Test Tank Powder, Radex[®] brand**

Powdered radiator test tank acid neutralizer.

Revised: 9/12/11

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Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent (w/w)</u>	<u>Carcinogen</u>
Sodium Carbonate	497-19-8	> 90%	No

Section 3 - Hazards Identification

Emergency Overview: Powder is abrasive and irritating to the eyes, possibly causing damage. May be irritating to abraded skin only. Water soluble and poses no hazard in a fire. An orange powder with no odor.

Health Hazards: Eye & Skin irritant

Physical Hazards: None

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes - powder causes irritation, redness, tearing due to both chemical and abrasive action. Prolonged contact may cause damage. Test tank solution causes irritation and redness.

Skin - Non-irritating to intact skin. Minor irritation may occur on abraded skin.

Swallowing - can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Breathing - dust may be irritating if inhaled.

NOTES TO MEDICAL DOCTOR: While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities, and vesicular skin reactions in humans with abraded skin only. Treatment is symptomatic and supportive.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately.

Skin Contact: Wash exposed area with soap and water.

Inhalation: If affected by dust, move the affected person to fresh air. If irritation persists get medical attention.

Ingestion: If the product is swallowed, rinse mouth with water. Dilute by giving a glass of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Flash Point: None.

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 if not contaminated it may be used in the test tank.

Section 7 - Handling and Storage

None.

Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent (w/w)</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Sodium Carbonate	497-19-8	> 90%	No established limits are known.		

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

Ventilation: None.

Respiratory Protection: None when used as directed. If dust is a problem use a nuisance dust mask.

Gloves: Use rubber or latex gloves. Disposable latex gloves are okay.

Eye Protection: If eye contact is possible, wearing safety glasses with side shields, especially for contact lens wearers, is a good idea, but not required.

Other Protective Equipment: None.

Section 9 - Physical and Chemical Properties

Melting Point: 1,564° F.

Specific Gravity: 2.5

Percent Volatiles: Not Applicable

Solubility In Water: 33.2% maximum

Appearance and Odor: An orange powder with little odor.

Vapor Pressure: Not Applicable

Vapor Density: Not Applicable

Evaporation Rate: Not Applicable

pH: Not Applicable

Section 10 - Stability and Reactivity

Incompatibility: Reacts with acids to release carbon dioxide gas.

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: Eyes

ORAL LD₅₀: 4,090 mg/kg (rat) [RTECS 1986].

Section 12 - Ecological Information

Do not dispose of in the environment.

ECOTOXICOLOGICAL INFORMATION: 96-hour LC₅₀ = 265 - 565 mg/L (daphnia magna) (low toxicity)

96-hour LC₅₀ = 300 - 320 mg/L (bluegill sunfish) (low toxicity)

Section 13 - Disposal Considerations

Waste Disposal Method: Sweep up and if not usable, discard in the trash. Used test tank water may contain heavy metals. If not, it may be neutralized to pH 9 or below and put down a sanitary ewer.

Section 14 - Transport Information

U.S. D.O.T. Hazard Class: Not considered hazardous by D.O.T. for ground transport.

CANADA: This material is not regulated when transported by road in Canada.

Section 15 - Regulatory Information

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

CANADA - WHMIS: Hazard Classification / Division: D2B, E

Section 16 - Other Information

NFPA: H:0 F:0 I:0 **HMIS® III:** H:2 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 4/25/92. Converted 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.