

Material Safety Data Sheet

SECTION 1-PRODUCT INFORMATION

Product Name: CONSAN TURF

Chemical Family: Quaternary Amine

Generic Name: Algaecide/Fungicide

Formula: Proprietary

Proper Shipping Name: Liquid Fungicide

Hazard Class: Not Regulated

NPCA Hazardous Materials Identification System

Health 3

Flammability 0

Reactivity 0

Max Personal Protection B

Manufacturer: Parkway Research Corporation

Phone Number: (281) 442-9821

Emergency Phone: (800) 442-9821

Address: 13802 Chrisman Road Houston, TX 77039 USA

Last Update: April 1, 2003

SECTION 2-HAZARDOUS INGREDIENTS

Name	CAS#	Wt%	PEL	TWA	STE	CARCINOGEN
NONE						

SECTION 3-PHYSICAL DATA

Boiling Range: 212+

Vapor Pressure: 20

% Volatile: 80

Solubility: 100%

Physical Description: Clear to straw colored liquid with characteristic odor.

Specific Gravity: 0.99

Vapor Density: >1

pH: 7.0

Evaporation Rate: <1

SECTION 4-FIRE & EXPLOSION DATA

Flash Point: N/A

Lower Exp. Limit: N/A

Special Fire Fighting Procedures: N/A

Upper Exp. Limit: N/A

Extinguishing Media: N/A

Unusual Fire & Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable

Incompatibility: Anionic materials

Hazardous Decomposition Products: None known

Hazardous Polymerization: Will not occur

SECTION 6-STORAGE & HANDLING INFORMATION

Precautions to be taken in Handling & Storage: Keep out of reach of children. Read product label thoroughly prior to use. Keep container closed during storage.

SECTION 7-HEALTH HAZARDS

PRIMARY ROUTE OF ENTRY:

Skin: Skin irritant. May cause burning, redness or swelling. Prolonged or repeated exposure can cause dermatitis.

Eyes: Eye irritant. Liquid and mists may damage eyes causing corneal injury.

Inhalation: Not a significant health hazard under normal use.

Ingestion: May be irritating to the gastrointestinal system. Large doses can cause vomiting and diarrhea.

FIRST AID PROCEDURES:

Skin: Flush exposed area with large quantities of water. Seek medical attention if irritation persists.

Eyes: Flush eyes with large quantities of water, holding eyelids open. Seek medical attention

Inhalation: Remove to fresh air.

Ingestion: Give large quantities of water. Seek medical attention.

CHRONIC/SUB-CHRONIC DATA:

The following data pertains to studies done with the technical material, 80% Active Ingredient;

Subchronic Dermal Toxicity in Rats: Slight irritation was noted in all treatment groups. No systemic toxic effects were observed at any dose level.

Chronic One Year Dietary Toxicity Study in Dogs: Clear effect (1200 ppm) and no-effect (400 ppm) levels were determined for systemic toxicity. No specific organ toxicity was observed and treatment has no effect on survival.

Chronic Dietary Oncogenicity Study in Mice: Clear effect (1500 ppm) and No-effect (< 500 ppm) levels were determined. No specific organ toxicity was observed and treatment did not have any effect on survival.

Chronic Dietary Oncogenicity Study in Rats: Clear effect (2000 ppm) and No-effect (1000 ppm) levels were determined. No specific organ toxicity was observed and treatment did not have any effect on survival or tumor incidence.

MUTAGENICITY STUDY:

No evidence of mutagenicity was noted with or without metabolic activation or increase in unscheduled DNA synthesis.

SECTION 8-SPECIAL PROTECTION INFORMATION

RESPIRATORY INFORMATION: No special requirements

PROTECTIVE GLOVES: Waterproof recommended

OTHER PROTECTIVE EQUIPMENT: N/A

EYE PROTECTION: Safety glasses recommended

VENTILATION: Provide local exhaust to keep TLV below acceptable limit.

SECTION 9-SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Mop up or otherwise absorb and hold for disposal.

WASTE DISPOSAL METHOD: Any method in accordance with local applicable law.