

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): GTS Foaming Disinfectant

Product Class: Aerosol disinfectant

Emergency Telephone Number: 800-255-3924

Telephone Number for Information: 651-481-1900

Sold by:

Multi-Clean®
600 Cardigan Road
Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	CAS
A	Propane	CAS #74-98-6
B	Isobutane	CAS #75-28-5
C	Ethylene Glycol Monobutyl Ether	CAS #111-76-2
D	O-Phenylphenol	CAS #90-43-7

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: White Foam, lemon fragrance

Primary Hazards: Flammable

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: Inhalation: X

Eye: May cause irritation on contact.

Skin: May cause irritation on prolonged or repeated contact.

Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.

Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

Signs and Symptoms of Exposure: May cause diarrhea, vomiting, and gastrointestinal irritation. Lab animals have experienced anemia, liver, kidney, lung, and blood damage to Glycol Ether.

Carcinogenicity: NTP? No

IARC Monographs? No

OSHA Regulated? No

Target Organ (s): Ethylene Glycol Monobutyl Ether: Liver, kidneys, lymphoid system, skin, blood, eyes and respiratory system.

Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.

Health Hazards, Chronic: Overexposure to Ethylene Glycol Monobutyl Ether may cause damage to one or more of the target organs listed above.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

If Swallowed: Drink promptly a large quantity of water. Do not induce vomiting. Avoid Alcohol. Call a physician immediately. Never give liquids to an unconscious person.

Eye Contact: Flush eyes with running water for at least 15 minutes. Obtain medical attention. **Skin Contact:** Wash with plenty of soap and water. Get medical attention if irritation persists. Remove and wash contaminated clothing before reuse.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability as per USA CPSC FLAME PROJECTION TEST (aerosols): NON-FLAMMABLE
Autoignition Temperature: N. Av.

Flash Point (method used): N/A

Flammable Limits: N. Av. LEL N. Av. UEL N. Av.

Extinguishing Media

Water?	Foam?	X	Water Fog?	
Alcohol Foam?	CO ₂ ?	X	Dry Chemical?	X
Vaporizing Liquid?	Other?			

Special Fire Fighting Procedures: Self-Contained breathing apparatus. Use water spray to keep containers cool to prevent vapor pressure build-up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards: Do not spray near open flame or while smoking. At elevated temperatures over 55°C (130°F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening container structure.

TDG Flammability Classification: Unknown

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: N. Av.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case Material is Released or Spilled:

Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material. Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state and federal regulations.

SECTION VII - HANDLING AND STORAGE

Precautions to be taken in Handling and Storing:

Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130°F (55°C) or container may rupture. Store as Level 2 Aerosol (NFPA 30B).

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required if good ventilation is present. Avoid breathing spray mist. If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.

Ventilation: Local Exhaust: Not required

Special: Not required

Mechanical (General): As required to keep vapor level below TLVs and PEL's (Section XI)

Other: Not required

Protective Gloves: Latex, if skin easily irritated.

Eye Protection: Approved safety glasses recommended.

Footwear: Not required

Other Protective Clothing or Equipment: Impervious clothing to prevent skin contact.
Work/Hygienic Practices: Wash with soap and water before handling food. Remove contaminated clothing.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A

pH: 12.5-13.0

Specific Gravity (H2O) = 1: Concentrate only: 1.0 % Volatile: > 95

Vapor Density (Air = 1): N/A

Odor Threshold: N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av.

Oil/Water Distribution

Solubility in Water: Completely Soluble.

Coefficient: N. Av.

Vapor Pressure, aerosols (PSIG @ 70°F): 60

Melting Point: N. Av.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions to Avoid: Extreme heat, open flame, welding arcs, sunlight

Incompatibility (materials to avoid): Strong oxidizers.

Hazardous Decomposition or By-products: CO₂, CO and other toxic chemicals in small amounts.

Hazardous Polymerization: May occur: Will not occur: X

Conditions to Avoid: Do not store above 55°C (130°F). Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC5
A	1000 ppm	Asphyxiant	N. Av.	N. Av.	N. Av.
B	800 ppm	800 ppm	N. Av.	N. Av.	N. Av.
C	50 ppm (skin)	25 ppm	25 ppm	1.48 g/kg	N. Av.
D	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No conclusive data available.

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

RCRA Hazard Class: Regulated by FIFRA

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: ORM D Consumer commodity

UN Number: N. Av.

Packing Group: N. Av.

SECTION XV - PREPARATION DATA

Prepared By: Mike Elms

Telephone Number: 651-481-1900

Date: 12-09

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: N. Av.

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health, chronic health, fire.

Section 313 Toxic Chemicals: O-Phenylphenol, Ethylene Glycol Monobutyl Ether
State Regulations

International Regulations

WHMIS Controlled Product Hazard Class: Not registered for use in Canada.

SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

1 A. Health Hazard 1 A. Fire Hazard 0 A. Reactivity Hazard

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.