

Material Safety Data Sheet

Material Name: FreshSeat Toilet Seat Cleaner

*** Section 1 - Chemical Product and Company Identification ***

Manufactured for

F-MATIC Inc.
299 S Millpond Dr
Lehi, UT 84043

Phone: 801-768-2000
Fax: 888-878-8828

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause skin and eye irritation.

Potential Health Effects: Eyes

May cause eye irritation.

Potential Health Effects: Skin

May cause irritation.

Potential Health Effects: Ingestion

Not a likely route of exposure under normal product use conditions. May cause gastrointestinal irritation if swallowed.

Potential Health Effects: Inhalation

None anticipated under normal product use conditions. May cause dizziness and nausea from prolonged inhalation.

HMIS Ratings: Health: 0 Fire: 2 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component
64-17-5	Ethyl alcohol
115-10-6	Dimethyl ether

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First Aid: Skin

For skin contact, wash immediately with soap and water.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

Containers may rupture and release flammable liquids and/or gasses if exposed to the heat of fire.

Hazardous Combustion Products

Not Determined.

Extinguishing Media

Carbon Dioxide, Foam, Dry Chemical, Water

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear. Keep containers cool by spraying them with water until the fire has been extinguished.

NFPA Ratings: Health: 0 Fire: 2 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

SPILL ON LAND (LARGE SPILL): Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without risk. Minimize breathing of vapors. Minimize skin contact. Ventilate confined spaces. For small spills implement the following cleanup procedures: Prevent material from entering sewers, watercourses, or low areas. Contain spilled material with sand or earth. Do not use combustible materials such as sawdust. Observe precautions for volatile, combustible vapors from absorbed material. For large spills implement the preceding cleanup procedures and, if in public area, keep public away and advise authorities. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SPILL ON WATER (LARGE SPILL): Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or scooping up floating material. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SMALL SPILLS: Leaking containers should be placed in open containers, outdoors, away from any source of ignition, until all pressure has been released.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Follow all Local, State, Federal and Provincial regulations for disposal.

*** Section 7 - Handling and Storage ***

Handling Procedures

Keep container closed. Handle and open containers with care. DO NOT handle or store near an open flame, heat, or other source of ignition. DO NOT pressurize, cut, heat, or weld empty containers. DO NOT reuse containers.

Storage Procedures

Store in a cool, well ventilated place away from incompatible materials. Ambient storage/transport pressure of 180 psig @131°F Max should be maintained.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Ethyl alcohol (64-17-5)

ACGIH: 1000 ppm TWA

OSHA: 1000 ppm TWA; 1900 mg/m³ TWA

NIOSH: 1000 ppm TWA; 1900 mg/m³ TWA

Engineering Controls

Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

None necessary.

Personal Protective Equipment: Skin

None necessary.

Personal Protective Equipment: Respiratory

Not normally needed.

Personal Protective Equipment: General

Eye wash fountain is recommended.

*** Section 9 - Physical & Chemical Properties ***

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Appearance:	White Aerosol	Odor:	Characteristic
Physical State:	Liquid	pH:	ND
Vapor Pressure:	180 psig @131°F	Vapor Density:	>1
Boiling Point:	173°F	Melting Point:	ND
Solubility (H2O):	Soluble	Specific Gravity:	0.995-1.010@20°C
Viscosity:	Aerosol @ ambient	Percent Volatile:	10%
Octanol/H2O Coeff.:	ND	Flash Point:	-30°F (Propellant Only)
Flash Point Method:	TCC	Upper Flammability Limit (UFL):	9.5
Lower Flammability Limit (LFL):	1.8	Burning Rate:	NA
Auto Ignition:	NA		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Do not store containers in direct sunlight or where conditions will heat them above 120°F.

Incompatibility

None

Hazardous Decomposition

Not Determined

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Dimethyl ether (115-10-6)

Inhalation LC50 Rat: 308.5 mg/L/4H

Ethyl alcohol (64-17-5)

Oral LD50 Rat: 7060 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Ethyl alcohol (64-17-5)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 96 [2007] (in alcoholic beverages) (Group 1 (carcinogenic to humans))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethyl alcohol (64-17-5)

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	12900 mg/L [flow-through]	30 days old
96 Hr LC50 Pimephales promelas	14.2 mg/L	
48 Hr EC50 Daphnia magna	9268 mg/L	

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24 Hr EC50 Daphnia magna

10800 mg/L

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: ORM-D

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Dimethyl ether	115-10-6	No	Yes	Yes	Yes	Yes	Yes
Ethyl alcohol	64-17-5	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Ethyl alcohol	64-17-5	0.1 %

Additional Regulatory Information

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Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Dimethyl ether	115-10-6	Yes	DSL	EINECS
Ethyl alcohol	64-17-5	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.