

SAFETY DATA SHEET FOR COATZF DISSIPATIVE FLOOR FINISH

May be used to comply with ANSI Z400.1-2004, 29 CFR 1910.1200, Regulation (EC) No 1272/2008 (CLP Regulation), and GHS. Standard must be consulted for specific requirements.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Name of the Product: StaticWorx CoatZF Dissipative Floor Finish
Recommended Use: Antistatic Floor Finish
Producer: StaticWorx, Inc., P.O. Box 1556, Williston, VT 05495
Telephone Number for Information: 617-923-2000
Emergency Phone Number: 800-255-3924 or Local Poison Control Center

SECTION 2: HAZARD(S) IDENTIFICATION

Classification: Reproductive toxicity, Category 2
Labelling: Symbol: Health Hazard
 Signal Word: Warning
Hazard Statement: Suspected of damaging fertility or the unborn child.
Precautionary Statements: If exposed or concerned: Get medical advice/attention.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Use personal protective equipment as required.
 Store locked up.
 Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Weight %
Trade Secret	120505MA106	0-1%
Diethylene glycol monoethyl ether*	111-90-0	5-25%

*This item is listed on the SARA Title III Section 313 Inventory

SECTION 4: FIRST AID MEASURES

Skin Contact: Wash with soap and water. If irritation develops, get medical attention.
Eye Contact: Flush with water for at least 15 minutes. If irritation develops, get medical attention.
Ingestion: Drink several glasses of water. DO NOT induce vomiting. Contact a physician.
Inhalation: Move subject to fresh air.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: The product is not flammable. Extinguish fire using media suitable for surrounding fire.

Protective Equipment: Wear appropriate protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear impervious protective gloves and chemical splash proof eye glasses. Contaminated surfaces will be extremely slippery.

Environmental Precautions: Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Methods For Cleaning Up: Absorb with sand or other absorbent material. Sweep up and shovel into suitable containers for disposal. Dispose of the solids and the contaminated absorbent material according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Use in well-ventilated areas; avoid breathing vapors. Keep containers closed when not in use. Avoid contact with clothing, skin and eyes. Wash thoroughly after handling. For commercial and industrial use only.

Proper Storage: Storage Temperature: Max. 49°C/120°F-1°C/34°F
Keep from freezing-product may coagulate.

KEEP OUT OF REACH OF CHILDREN

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Component	List	Type	Value
Diethylene Glycol Monoethyl Ether	WEEL	TWA	140 mg/m3 / 25 ppm

Appropriate Engineering Controls: Ventilation: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Individual Protection Measures:

Eye/Face Protection: Use safety glasses. Where contact with the material is likely, chemical goggles are recommended because eye contact may cause discomfort even though it is unlikely to cause injury.

Skin/Hand Protection: No precautions other than clean body covering clothing should be needed.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline.

Ingestion: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

SECTION 9: PHYSICAL PROPERTIES

Appearance:	White liquid (dries clear)
Odor:	Polymer smell
Odor Threshold:	Not available
Physical State:	Liquid
pH:	7.0-8.0
Melting Point at °C:	Not available
Boiling Point at °C:	>200°F (100°C)
Flash Point (TCC):	Not applicable. Product does not sustain combustion.
Evaporation Rate:	Not available
Flammability (solid, gas):	Classification according to EC-regulations "non-flammable".
Inflammability Limits (vol.% in air):	Not available
Vapor Pressure (mmHg):	Not available
Vapor Density (air=1):	Not available
Specific Gravity (H2O=1):	1.03
Solubility:	Water soluble
Ignition Temperature:	Not available
Viscosity:	<10 cps (0.01 Pa·s)
Partition Coefficient:	Not available
Decomposition Temperature:	Not available
VOC:	0%*

*Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Section 94508.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	This product is stable under normal conditions.
Conditions to Avoid:	Temperatures above 49°C/120°F and below 1°C/34°F.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Thermal decomposition may yield carbon oxides/hazardous organic products.
Hazardous Reactions:	Product will not undergo hazardous polymerization.

SECTION 11: TOXICOLOGICAL INFORMATION**Acute Toxicity**

Diethylene glycol monoethyl ether (111-90-0)

Ingestion:	LD50, Rat 1,920-9,050 mg/kg
Skin Absorption:	>8,400 mg/kg
Chronic Toxicity & Carcinogenicity:	Did not cause cancer in lab animals.
Developmental Toxicity:	Did not cause birth defects or any other fetal effects in lab animals.
Reproductive Toxicity:	Studies in lab animals indicate that diethylene glycol monoethyl ether is not a reproductive toxicant even when given in large amounts.
Genetic Toxicology:	In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

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LD50 (Oral - Rat):	710 mg/kg
LC50 (Inhalation - Rat):	5.53 mg/L/4 hr
LD50 (Dermal - Rat):	> 2000 mg/kg
Target Organ Systemic Toxicity:	Oral NOAEL 3.05 mg/kg; Inhalation NOAEL 0.00269
Skin-Rabbit:	Irritating
Eye-Rabbit:	Moderately Irritating
Skin Sensitization:	Negative in Buehler Test
Mutagenicity:	Negative in in-vitro chromosome aberration test; Negative in Ames test

Toxicological Effects

Skin Contact:	May cause mild skin irritation.
Skin Absorption:	May be harmful if absorbed through the skin.
Eye Contact:	May cause mild eye irritation.
Inhalation:	May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.
Ingestion:	May be harmful if swallowed.

SECTION 12: ECOLOGICAL INFORMATION*Diethylene glycol monoethyl ether (111-90-0)*

MOVEMENT & PARTITIONING:	Bioconcentration potential is low (BCF less than 100 or log Pow less than 3). Potential for mobility in soil is very high (Koc between 0 and 50).
Henry's Law Constant (H):	2.22E-8 atm*m3/mole; 25 °C Estimated.
Partition coefficient n-octanol/ water (log Pow):	-0.54 Measured
Partition coefficient, soil organic carbon/water (Koc):	20 Estimated
PERSISTENCE & DEGRADABILITY:	Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is ultimately biodegradable (reaches > 70% mineralization in OECD test(s) for inherent biodegradability. Indirect Photodegradation with OH Radicals.

Rate Constant	Atmospheric Half-life	Method
3.14E-11 cm3/s	4.093 h	Estimated

OECD Biodegradation Tests

Biodegradation	Exposure Time	Method
90 %	28 d	OECD 301E Test
> 90 %	5.5 d	OECD 302B Test

Biological oxygen demand (BOD)

BOD 5	BOD 10	BOD 20
5 - 17 %	31 - 71 %	49 - 87 %

Chemical Oxygen Demand	1.84 mg/mg
Theoretical Oxygen Demand	1.91 mg/mg

Ecotoxicity

Fish Acute & Prolonged Toxicity: LC50, bluegill (Lepomis 21,400 mg/l 96 h macrochirus).
Aquatic Invertebrate Acute Toxicity: EC50, water flea Daphnia 3,940 - 4,670 mg/l 48 h magna.
Toxicity to Micro-organisms: EC10, bacteria 4,000 mg/l 16 h.

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Fish Acute & Prolonged Toxicity: LC50, (Rainbow trout) 158 mg/l 96 hr
Aquatic Invertebrate Acute Toxicity: EC50, (Daphnia magna) 249 mg/l 48 hr

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: No special precautions. As packaged, if this product becomes waste it does not meet the criteria of hazardous waste defined under the Resource Conservation and Recovery Act. Dispose of according to all Federal, state and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

This product is not classified for transport under ADR/IMDG regulations.

SECTION 15: REGULATORY INFORMATION

Physical/Chemical Indication: Non-flammable.
Risk-phrase: (R36/38): irritates eyes and skin
Safety Phrase: (S2): keep away from children,
 (S7): keep containers well closed,
 (S24/25): avoid contact with skin and eyes,
 (S62): if swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

RIGHT TO KNOW (RTK)

Ingredients	CAS #	MARTK	NJRTK	PARTK
Water	7732-18-5	-	-	X
Diethylene glycol monoethyl ether	111-90-0	-	X	X
Tributoxyethyl phosphate	78-51-3	-	X	X

The following components are defined as a "Hazardous Chemical" by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986 Sections 311, 312, 313.

Diethylene Glycol Monoethyl Ether: Sections 311, 312, and 313, Delayed (Chronic) Health Hazard, Fire Hazard.
Trade Secret 120505MA106: Sections 311 and 312, Immediate (Acute) Health Hazard.
International Inventories at CAS# Level: All components of this product are listed on or exempt from the following inventories: U.S.A (TSCA), Canada (DSL\NDSL).
California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65.

EINECS Status:

All components are included in the EINECS Inventories.

WHIMIS:

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

SECTION 16: OTHER INFORMATION**NFPA RATING:**

Special Hazard: N/A

Health 1

Flammability 0

Instability: 0

SDS Updated:

2015-04-08

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.