



Dynamic Technology in Commercial Floor Care

Watch-Gard Systems
3351 Bigelow Boulevard
Pittsburgh, PA 15219
1-866-396-2025

Emergency Phone: INFO-TRAC: 1-800-535-5053
OUTSIDE U.S.: 1-352-323-3500

MATERIAL SAFETY DATA SHEET

REVISION DATE: 09/18/2009 REVISION NUMBER: 3
DATE PRINTED: 09/18/2009 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **DYNATECH PULSAR**
PRODUCT CODE: 119071

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 1/1 Fire: 0/0
Reactivity: 0/0 Special/Protective Equipment: None/B

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes irritation of the stomach and intestines, resulting in nausea and/or vomiting. Swallowing large amounts causes kidney damage.
SKIN CONTACT: Repeated or prolonged contact may irritate moderately.
INHALATION: Excessive inhalation causes headache, dizziness, nausea and incoordination.
EYE CONTACT: May cause mild eye irritation.
CHRONIC EFFECTS: None expected in normal use.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Acrylic polymer MIXTURE	10 - 20	NA	NA
Diethylene glycol ethyl ether 111-90-0	1 - 5	NA	NA
Tributoxy ethyl phosphate 78-51-3	1 - 5	NA	NA

4. FIRST AID MEASURES

INGESTION: Drink one or two glasses of water. Get medical attention. Never give anything by mouth to an unconscious person.
SKIN: Flush skin with large amounts of water. If irritation persists, get medical attention.
INHALATION: Move person to fresh air. Aid breathing if necessary.
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
NOTES TO PHYSICIAN: None.

DYNATECH PULSAR

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None to boiling (C): NA
METHOD: TCC

FLAMMABLE LIMITS IN AIR

- LOWER (%): NA
- UPPER (%): NA

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA:

As appropriate for surrounding fire-product is mostly water and will not burn.

FIRE FIGHTING PROCEDURES:

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:

Mop up all possible. Rinse down drain.

LARGE SPILLS:

Flush remainder with water. Releases of some glycol ethers may be CERCLA reportable. Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS:

Not applicable

ENVIRONMENTAL PRECAUTIONS:

Not applicable

METHODS FOR CLEANING UP:

Not applicable

7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:**

Caution: Avoid contact with eyes, skin and clothing.

OTHER PRECAUTIONS:

Do not breathe mist or vapors. Use only in a well ventilated area. Keep from freezing.

SPECIFIC USE(S):

Keep out of reach of children.

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

Use in a well ventilated area.

RESPIRATORY PROTECTION:

None normally required. Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.

PROTECTIVE GLOVES:

Neoprene. Vinyl gloves. Rubber gloves.

EYE PROTECTION:

Goggles.

**OTHER PERSONAL PROTECTION
EQUIPMENT:**

Appropriate protective clothing as needed to prevent skin contact.

VENTILATION:

General mechanical or local exhaust as needed to maintain exposure below TLV or PEL.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

White. Liquid. Mild odor.

BOILING POINT (F):

212° F

(C) NA

VAPOR PRESSURE:

As water

VAPOR DENSITY (AIR=1):

As water

SOLUBILITY IN WATER:

NA

SPECIFIC GRAVITY:

1.02 - 1.03

VOC Content (%):

5.9 (EPA Method 24)

VOV Content (%):

NE

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9. PHYSICAL AND CHEMICAL PROPERTIES

EVAPORATION RATE: As water
PH: 8.0 - 9.0

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: If evaporated to dryness, as in a fire, may release: Oxides of Carbon. Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID): None
CONDITIONS/HAZARDS TO AVOID: Product coagulates when mixed with salt or acid solutions.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established
EFFECTS OF CHRONIC EXPOSURE: Not established.
OTHER TOXIC EFFECTS: Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: Not applicable.
PERSISTENCE/DEGRADABILITY: Not applicable
BIOACCUMULATIVE POTENTIAL: Not applicable
OTHER ADVERSE EFFECTS: Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Acrylic polymer MIXTURE	10 - 20	Not Listed	Not Listed	Not Listed	Not Listed
Diethylene glycol ethyl ether 111-90-0	1 - 5	Listed	Listed	Listed	Not Listed
Tributoxy ethyl phosphate 78-51-3	1 - 5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Acrylic polymer MIXTURE	10 - 20	Not Listed	Not Listed	Not Listed
Diethylene glycol ethyl ether 111-90-0	1 - 5	Not Listed	Not Listed	Not Listed
Tributoxy ethyl phosphate 78-51-3	1 - 5	Not Listed	Not Listed	Not Listed

DYNATECH PULSAR

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Diethylene glycol ethyl ether 111-90-0	1 - 5	Listed
Tributoxy ethyl phosphate 78-51-3	1 - 5	Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels. None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

***** END OF MSDS *****