

Restore

SECTION 1. IDENTIFICATION

Product Identifier Restore
Product Family Floor Finish
Manufacturer Easy Way, 10 Housers Lane, Woodstock, Ontario, N4S 7W8, 1-800-265-9205, www.easyway.ca
SDS No. 0007
Date of Preparation January 27, 2015

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/eye irritation - Category 2B

GHS Label Elements

No label elements assigned.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Diethylene glycol monoethyl ether	111-90-0	2 - 5	
Tri(2-butoxyethanol) phosphate	78-51-3	1 - 3	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.

Ingestion

Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Specific Hazards Arising from the Chemical

When burned, the following hazardous products of combustion can occur:

Carbon oxides

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Hazardous organic compounds.

Special Protective Equipment and Precautions for Fire-fighters

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand/NIOSH approved or equivalent). Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods and Materials for Containment and Cleaning Up

Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Store in an area that is: cool, dry, temperature-controlled.
Keep container closed when not in use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Provide eyewash in work area, if contact or splash hazard exists.
General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Minimize skin contamination by following good industrial hygiene practice.

Wear suitable protective clothing. Wear protective gloves.

Suitable materials are: butyl rubber, natural rubber, neoprene rubber, nitrile rubber, polyethylene, polyvinyl alcohol.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Milky white liquid.
Odour	Ammonia-like
Melting Point/Freezing Point	0 °C (32 °F) (freezing)
Initial Boiling Point/Range	100 °C (212 °F)
Relative Density (water = 1)	1.015
Solubility	Dispersible in water

SECTION 10. STABILITY AND REACTIVITY

Reactivity

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Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

See "Hazardous Decomposition Products".

Conditions to Avoid

None known.

Incompatible Materials

Strong acids, strong bases, strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition giving flammable and toxic products, carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Data for Tri(2-butoxyethanol) phosphate (78-51-3)

(rat) >600 mg/m³

Data for Diethylene glycol monoethyl ether- (111-90-0)

(rat) 5240 mg/m³ (4 hour exposure)(aerosol)

Data for Tri(2-butoxyethanol) phosphate (78-51-3)

Practically nontoxic to slightly toxic. (rat) LD₅₀ = 4,640 - 13,278 mg/kg.

Data for Diethylene glycol monoethyl ether- (111-90-0)

Practically nontoxic. (rat) LD₅₀ = 5,340 - 15,918 mg/kg.

Practically nontoxic. (mouse) LD₅₀ = 6,031 - 7,863 mg/kg.

Data for Tri(2-butoxyethanol) phosphate (78-51-3)

Slightly irritating. (rabbit) Irritation Index: 2.32. (4 h)

Data for Diethylene glycol monoethyl ether (3:1) (78-51-3)

Slightly irritating. (rabbit) Irritation Index: 2.32. (4 h)

Skin Corrosion/Irritation

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Serious Eye Damage/Irritation

Can cause mild to moderate irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful from exposure to vapor.

Ingestion

May cause Nausea, Vomiting, Diarrhea.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Repeated dermal administration to rabbit / affected organ(s): skin / signs: Irritation / No adverse systemic effects reported.

Repeated dermal administration to rabbit / No adverse systemic effects reported.

Repeated inhalation administration to rat / Local irritation of the respiratory system.

Respiratory and/or Skin Sensitization

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis

Excessive inhalation of vapors can cause nasal and respiratory irritation.

Carcinogenicity

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Chemical Name	IARC	ACGIH®	NTP
Diethylene glycol monoethyl ether	Not evaluated	Not Listed	Not Listed

No information was located. (Tri(2-butoxyethanol) phosphate)

Reproductive Toxicity

Development of Offspring

No birth defects were observed.

Germ Cell Mutagenicity

Conclusions cannot be drawn from the limited studies available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Not harmful to based on acute toxicity tests.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Algae
Tri(2-butoxyethanol) phosphate	53 mg/L (Daphnia magna (water flea); 48-hour)	10.7 mg/L (Pimephales promelas (fathead minnow); 96-hour; flow-through)	
Diethylene glycol monoethyl ether	11775 mg/L (Pimephales promelas (fathead minnow); 96-hour)		198 mg/L (Scenedesmus subspicatus (algae); 72-hour)

Persistence and Degradability

Readily biodegradable.

Bioaccumulative Potential

This product and its degradation products are not expected to bioaccumulate based on the fish bioconcentration factor (BCF).

Mobility in Soil

(Diethylene glycol monoethyl ether) If released into the environment, this product is expected to move rapidly through the soil, based on physical and chemical properties.

(Tri(2-butoxyethanol) phosphate) If released into the environment, this product is expected to move slowly through the soil, based on physical and chemical properties.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with federal, state/provincial and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state/provincial and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

SECTION 14. TRANSPORT INFORMATION

This section is not required by OSHA.

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

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Special Precautions for User Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS Classification

D2B - Toxic (Eye irritant)

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

Listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 0	Instability - 0
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