

SAFETY DATA SHEET

1. Identification

Product identifier EP-22

Other means of identification

SDS number 587N-157A
Product code HIL00551
Recommended use Floor Finish

Recommended restrictions For Labeled Use Only

Protect from Freezing

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name HILLYARD INDUSTRIES
Address 302 North Fourth St.
St. Joseph, MO 64501

Contact person Regulatory Affairs

Telephone number (800) 365-1555 (Ext. 8206)

Fax (816) 383-8406

E-mail regulatoryaffairs@hillyard.com

Emergency telephone # (800) 424-9300

(Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident

involving chemicals)

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Use With Adequate Ventilation. Prolonged inhalation of vapor may cause slight irritation of nose,

throat, and lungs. Keep container closed when not in use. Do not take internally. Observe good

industrial hygiene practices.

Response If swallowed, induce vomiting immediately. Immediately consult medical personnel. If inhaled

move to fresh air. If discomfort persists, get medical attention. Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Buyer assumes all risk and liability associated with disposal of this product (original

concentration or dilution) in violation of applicable law. Waste from normal use may be sewered to a public-owned treatment works in compliance with applicable federal, state and local requirements. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer clean, dry

container for recycling or reconditioning.

Hazard(s) not otherwise classified (HNOC)

None known.

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3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Ethoxydiglycol		111-90-0	3 - < 5
Tributoxyethyl Phosphate		78-51-3	1 - < 3
Other components below reportable levels			90 - 100

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists. Eye contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact

lenses.

Ingestion Drink water as a precaution. Get medical attention if any discomfort continues.

Most important

symptoms/effects, acute and

delayed

Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment

needed

Treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from During fire, gases hazardous to health may be formed.

the chemical

Special protective equipment

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

and precautions for firefighters

Fire fighting

equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Follow precautions for safe handling described in this safety data sheet. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up The product is completely soluble in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product

recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the

SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid prolonged exposure. Observe good industrial hygiene practices.

Conditions for safe storage, Store in tightly closed container. Store away from incompatible materials (see Section 10 of the including any incompatibilities SDS).

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8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OARS. Workplace Environmental Exposure Level (WEEL) Guide

Components Type Value

Ethoxydiglycol (CAS TWA 140 mg/m3

111-90-0)

25 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering

controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles). Where splashing of

concentrate is a concern, use protective glasses with side shield

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other None normally required. If unable to avoid prolonged or repeated contact with skin, wear

impervious clothing.

Respiratory protectionNo personal respiratory protective equipment normally required. If engineering controls do not

maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved

respirator must be worn.

Thermal hazards None known.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

9. Physical and chemical properties

Appearance Milky emulsion

Physical state Liquid.

Form Liquid.

Color Milky white

Odor Non-objectional odor.

Odor threshold Not available

pH 7 - 8

Melting point/freezing point Not applicable / Not available

Initial boiling point and boiling

range

>200 °F (>93.33 °C)

Flash point >200.0 °F (>93.3 °C) Tag Closed Cup

Evaporation rate <1 (ethyl ether = 1)
Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 17.54 mm Hg

Vapor density 0.6216 Air =1

Relative density 1.028 at 77°F

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Solubility(ies)

Solubility (water) 100 % Complete Partition coefficient Not available

(n-octanol/water)

Not available **Auto-ignition temperature Decomposition temperature** Not available Not available **Viscosity**

Other information

Density 8.56 lb/gal **Explosive properties** Not explosive. **Oxidizing properties** Not oxidizing. Percent volatile 77.5 - 78.5 %

VOC CARB COMPLIANT

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact May be irritating to the skin.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not known.

Product Species Test Results

EP-22

Acute Dermal

LD50 Rat 129679 mg/kg

Inhalation

LC50 Mouse 513158 mg/l, 4 Hours

Oral

LD50 Rat 32715 mg/kg Components **Test Results Species**

Ethoxydiglycol (CAS 111-90-0)

Acute Dermal

LD50 Rat 6000 mg/kg

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Components **Species Test Results**

Tributoxyethyl Phosphate (CAS 78-51-3)

Acute Oral

LD50 Rat 3000 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Under normal conditions of intended use, this material is not expected to be an inhalation

hazard.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

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Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product Test Results Species EP-22 Aquatic Crustacea EC50 Daphnia 35215876 mg/l, 48 hours estimated Fish LC50 Fish 587.9516 mg/l, 96 hours Acute Crustacea EC50 Daphnia 9260842 mg/l, 48 hours estimated Fish LC50 Fish 582.0175 mg/l, 96 hours estimated Components Species **Test Results** Ethoxydiglycol (CAS 111-90-0) Aquatic Acute Fish LC50

Fathead minnow (Pimephales

promelas)

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7910 - 11800 mg/l, 96 hours

Components Species Test Results

Tributoxyethyl Phosphate (CAS 78-51-3)

Aquatic

Acute

Fish LC50 Fathead minnow (Pimephales 10.4 - 12 mg/l, 96 hours

promelas)

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Ethoxydiglycol -0.54
Tributoxyethyl Phosphate 3.75

Mobility in soil This product is completely water soluble and will disperse in soil.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not

contaminate ponds, waterways or ditches with chemical or used container. Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in

violation of applicable law.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the

waste disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Waste from normal product use may be sewered to a public owned treatment works (POTW) in

compliance with applicable Federal, State, and local pretreatment requirements.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container

is emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal. Triple rinse (or equivalent). Then offer clean, dry container for recycling or

reconditioning.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not es

Annex II of MARPOL 73/78 and

the IBC Code

Not established.

15. Regulatory information

US federal regulations All components are on the U.S. EPA TSCA Inventory List or Exempt.

Toxic Substances Control Act (TSCA)

One or more components of the mixture are not on the TSCA 8(b) inventory

or are designated "inactive".

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Contains component(s) regulated under the Safe Drinking Water Act.

(SDWA)

US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or regionInventory nameOn inventory (yes/no)*CanadaDomestic Substances List (DSL)NoCanadaNon-Domestic Substances List (NDSL)NoUnited States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

16. Other information, including date of preparation or last revision

 Issue date
 01-10-2015

 Revision date
 01-28-2025

Version # 05

Further information This product meets Green Seal™ Standard GS-40 based on effective performance and protective

limits on VOCs and human & environmental toxicity. GreenSeal.org.

HMIS® ratings Health: 1

Flammability: 0 Physical hazard: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge,

information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any

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^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Revision information

Product and Company Identification: Product and Company Identification

Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties

Toxicological Information: Toxicological Data

Disposal considerations: Waste from residues / unused products

Material name: EP-22 SDS US