



MATERIAL SAFETY DATA SHEET

WESTON® EHDP

Version: 1.5
Date of Issue: 06/26/2010
Date printed: 01/24/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : WESTON® EHDP

Chemical name: 2-Ethylhexyl(diphenyl)phosphite

Use of substance/preparation: No specific information

Supplier: Galata Chemicals, LLC
471 Highway 3142
Hahnville, LA 70057 USA

Emergency telephone number: 760-476-3971 ACCESS CODE: 333256 (24 hours)

Environmental, Health and Safety Department: +985-783-6201

Customer Service: +985-783-6201

Prepared by Product Safety Department Date of Issue: 06/26/2010
(US) + 985-783-6201
(EU) + 49-6206-9570
Email: MSDS@galatachemicals.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION!
NOT ACCUTELY TOXIC BY INGESTION.
CAN BURN IN A FIRE CREATING DENSE TOXIC SMOKE.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
2-Ethylhexyl(diphenyl)phosphite CAS# 15647-08-2	30 - 60
Triphenyl phosphite CAS# 101-02-0	10 - 30



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4. FIRST AID MEASURES

Swallowing

Do not induce vomiting. Obtain medical attention immediately.

Inhalation

Remove to fresh air. Obtain medical attention if symptoms develop.

Skin contact

Immediately wash with soap and water for at least 15 minutes. Immediately remove contaminated clothing and shoes. If redness or irritation occurs, seek medical attention.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes. Remove contact lenses, if worn. Obtain medical attention if irritation develops.

5. FIRE-FIGHTING MEASURES

Flash point: 360 °F 182 °C

NFPA CLASSIFICATION

Health: 2	Flammability: 1	Reactivity: 1	Special provisions:
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Hazardous combustion products

Carbon dioxide.
Carbon monoxide.
Oxides of phosphorous.
Phosphine.

Special fire fighting procedures

Water spray may be used to cool containers and adjacent surfaces.
Run-off water may be highly acidic and should be collected and neutralized if possible.

Special protective equipment for firefighters

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.
Full protective clothing

Extinguishing media

Suitable: - CO2
- dry chemical
- foam

Unusual fire and explosion hazards

Hazardous combustion products may include intense heat, dense black smoke, carbon monoxide, carbon dioxide, hydrocarbon fragments, phosphine, fragments of phosphite/phosphate esters and oxides of phosphorus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear protective clothing when taking up spill., Avoid contact with eyes and skin.

Environmental precautions

Avoid drainage to sewers or natural waters., Since phosphites can hydrolyze, notification of governing agencies may be appropriate due to the possible release of phenolic materials.

Methods for cleaning up

Avoid contact with liquid and vapors.
Dike area of spill to prevent spreading and pump liquid to salvage tank.



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Absorb residue with inert absorbent, and transfer to proper containers. Remaining material may be emulsified with soap and water and absorbed on additional sorbent. Do not flush to sewer. Since phosphites can hydrolyze, notification of RCRA may be appropriate due to the possible release of phenolic materials. Do not flush this product to sewers or waterways.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Avoid contact with eyes, skin and clothing., Wash thoroughly with soap and water after handling., Do not eat, drink or smoke when handling., Keep containers tightly closed to prevent contamination., Electrically bond and ground all containers and equipment before transfer or use of material.

Other precautions

Caution - If water contamination has occurred, or if you have any reason to suspect water contamination, do not heat containers of product. Do not heat opened containers with steam in a manner which will allow steam to condense into the container.

STORAGE

Storage requirements

Keep away from heat, sparks and flame., Store in a dry place away from excessive heat., Exposure to moisture or high humidity can cause hydrolysis producing phosphorus acid and phenol., Keep container tightly closed., Normal precautions common to safe manufacturing practice should be followed in handling and storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Triphenyl phosphite			0.1 mg/m3	Galata Chemicals, LLC recommended exposure limit.

PERSONAL PROTECTION

Respiratory protection

None required in normal use., NIOSH approved full face organic respiratory protection required in the absence of proper environmental control. For emergencies, a self-contained breathing apparatus and full chemical resistant suit.

Hand protection / protective gloves

Gauntlet type gloves of nitrile rubber or butyl rubber recommended; for short time contact PVC is suitable.

Eye protection

Safety glasses with side shields., Safety goggles.

Skin protection

Chemical resistant protective clothing.

Industrial hygiene measures

Do not eat or drink at work., Remove contaminated clothing and clean it.

ENGINEERING CONTROLS

Ventilation

Use local ventilation or engineering controls as needed to maintain personnel exposure below the exposure limits.

Further information

Provide for sufficient ventilation and/or exhaust.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state Liquid
Color Colorless



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Odor Mild

OTHER PROPERTIES

Boiling point No data available.

Melting point No data available.

Density 1.05 g/cm3

Solubility in water Insoluble, Hydrolyzes slowly

Flash point 360 °F
182 °C
Method: Pensky Martens closed cup

10. STABILITY AND REACTIVITY

Stability: Stable.

Stability - Conditions to avoid:
Moisture.
Water.

Incompatible materials:
Water.
Strong oxidizing agents.

Hazardous reactions: Will react in the presence of water. Reaction rate will increase with increasing temperatures and pressures. Hydrolyzed by moisture to phosphorus acid and alcohol(s).

Hazardous combustion products:
Carbon dioxide.
Carbon monoxide.
Oxides of phosphorous.
Phosphine.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results
Acute toxicity: LD50 Rat
Result: > 2,000 mg/kg
Remark: Test results are based on analogy with a similar material.

SKIN ABSORPTION

Test results
Acute toxicity: LD50 - Rabbit
Result: > 5,000 mg/kg

SKIN CONTACT

Test results
Skin irritation: Result: Moderate irritation

EYE CONTACT



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Test results
Eye irritation: Result: Moderate irritation

SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH
Triphenylphosphite is a known animal neurotoxin.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations., Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

14. TRANSPORT INFORMATION

DOT Classification

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triphenyl phosphite)
Subsidiary risk: 9
UN ID #: UN3082
Packing group: III
marine pollutant: MARINE POLLUTANT

Not regulated by ground or rail if shipped or transported in container less than 400 kg.

IMDG Classification

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class: 9
Subsidiary risk: marine pollutant
UN ID #: UN 3082
Packing group: III
Technical description (Triphenyl phosphite)

ICAO Classification

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class: 9
UN ID #: UN 3082
Packing group: III
Technical description (Triphenyl phosphite)

Only regulated by air Into, Out of or Within the United States in containers 881.8 lbs (400 kg) or greater.

15. REGULATORY INFORMATION



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Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

California Proposition 65

**** NONE ****

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.
Europe: The ingredients of this product are on the EINECS inventory.
United States: The ingredients of this product are on the TSCA inventory.
Australia: This product is not listed on the AICS inventory.
China: This product is not listed on the IECSC inventory.
Japan: The ingredients of this product are on the ENCS inventory.
Korea: This product is not listed on the Existing Chemicals List (ECL).

16. OTHER INFORMATION

FURTHER INFORMATION

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

HMIS RATING

Health: 2	Flammability: 1	Reactivity: 1	PPI:
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STP	Standard temperature and pressure
W/W	Weight/Weight 0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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Chemicals,
LLC

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