

**WESTON® PDDP**

Version: 1.7
Date of Issue: 24.07.2007
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Chemtura Corporation urges the recipient of this Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet,(2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**Identification of the substance WESTON® PDDP or preparation:**

Chemical name: Diisodecyl(phenyl)phosphite
Synonyms: Phosphite
Use of substance/preparation: PVC Stabilizer

Company identification: Galata Chemicals GmbH
 Chemiestraße 22
 Lampertheim 68623
 Germany

Manufacturer: Galata Chemicals GmbH
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 Lampertheim 68623
 Germany

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Prepared by Product Safety Department Date of Issue: 24.07.2007
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2. HAZARDS IDENTIFICATION**Main hazards and effects:**

Irritating to skin. May cause sensitization by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT	HAZARD	DANGER SYMBOL(S)
Diisodecyl phenyl phosphite CAS# 25550-98-5	> 50	R38 R43	Xi N

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EINECS/ELINCS# 247-098-3

R50/53

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: 160 °C

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.



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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

PERSONAL PROTECTION

Respiratory protection

None required in normal use.

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

Further information

Provide for sufficient ventilation and/or exhaust.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	Colorless to light yellow
Odor	Phenolic

OTHER PROPERTIES

Boiling point	No data available.
Melting point	No data available.
Density	0,94 g/cm3
Solubility in water	Insoluble, Hydrolyzes slowly

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Flash point

160 °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: > 5.000 mg/kg
 Remark: Test results are based on analogy with a similar material.

SKIN CONTACT

Test results

Skin irritation: Species: rabbit:
 Result: Irritant

EYE CONTACT

Acute effects

May cause slight irritation.

Test results

Eye irritation: Remark: No data available.

SENSITIZATION

Test results:

Species: - Guinea pig:
 Result: sensitizing

SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH

Studies have indicated that PDDP is a neurotoxin at a high dose (4000 mg/kg) in chickens. Lower dose produced no neurotoxic effect. Triphenylphosphite is a known animal neurotoxin.

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12. ECOLOGICAL INFORMATION

Biodegradation: Remark: Not readily biodegradable.

AQUATIC TOXICITY

Acute toxicity fish: Acute toxicity fish - - Golden orfe (*Leuciscus idus*)
 Result: > 100 mg/l
 Exposure time: 48 h

Aquatic toxicity to plants: Acute algae toxicity - -
 Result: 45 mg/l
 Exposure time: 72 h

Microorganisms: Bacterial toxicity - -
 Result: > 100 mg/l

Acute toxicity to aquatic invertebrates: Acute daphnia toxicity - - Water flea (*Daphnia magna*):
 Result: 0,2 mg/l
 Exposure time: 48 h

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**ADR/RID**

Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Class 9 (M6)
UN No. 3082
Packing group III
Hazard No. 90
Label 9
Technical description ALKYL ARYL PHOSPHITE

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 (ALKYL ARYL PHOSPHITE)

ICAO Classification

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

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Class: 9
UN ID #: UN 3082
Packing group: III

Technical description (ALKYL ARYL PHOSPHITE)

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

15. REGULATORY INFORMATIONEC classification

Danger symbol(s) : Xi N

Risk phrases : R38 Irritating to skin.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Contains : Diisodecyl phenyl phosphite

WGK : 2, Hazard to water; VwVwS, Annex 3
2036

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: The ingredients of this product are on the AICS inventory.
China: The ingredients of this product are on the IECSC inventory.
Japan: The ingredients of this product are on the ENCS inventory.
Korea: The ingredients of this product are on the ECL.
Philippines: This product is on the PICCS.

16. OTHER INFORMATION

List of R-phrases used in data sheet. See section 15 for classification details.

Risk phrases : R38 Irritating to skin.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

FURTHER INFORMATION

Where appropriate, use CEN approved personal protection equipment.

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This Safety Data Sheet conforms to EC Directive 2001/58 and amendments.

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

Carechem24 International Worldwide Coverage - **Chemtura Corporation**
Emergency Telephone Numbers

Europe:	All European Countries	+44 (0)208 762 8322
Asia Pacific:	Australia, New Zealand	+44 (0)870 190 6777
	China, Hong Kong, Singapore, Philippines, Taiwan, Vietnam, India	+65 63 222 513
	Japan, North & South Korea	+65 63 222 514
	Indonesia	+62 21 230 5992
	Malaysia	+60 3 205 35 754
Middle East:	Thailand	+66 2 642 7851
	Arabic speaking countries	+961 3 487 287
	All other countries	+44 (0)208 762 8322
Africa:	Arabic speaking countries	+961 3 487 287
	All other countries	+44 (0)208 762 8322
Latin America:	All	+44 (0)208 762 8322
China:	All	+86 10 5100 3039

STP	Standard temperature and pressure
W/W	Weight/Weight

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