

**WESTON® DPDP**

**Version:** 1.1  
**Date of Issue:** 09.08.2006  
**Date printed:** 29.04.2009

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® DPDP or preparation:**

**Chemical name:** Isodecyl(diphenyl)phosphite

**Use of substance/preparation:** PVC Stabilizer

**Company identification:** Galata Chemicals GmbH  
Chemiestraße 22  
Lampertheim 68623  
Germany

**Manufacturer:** Galata Chemicals GmbH  
Chemiestraße 22  
Lampertheim 68623  
Germany

**Emergency telephone number:** NA: +1-760-476-3962 Access Code: 333257  
EU: +1-760-476-3961 Access Code: 333257  
AP: +1-760-476-3960 Access Code: 333257  
+1-760-476-3971 Access Code: 333256

**Environmental, Health and Safety Department:** (US) +985-783-6201  
(EU) +49-6206-95-70 MSDS@galatachemicals.com

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

INGREDIENT	% BY WEIGHT	HAZARD	DANGER SYMBOL(S)
Isodecyl diphenyl phosphite CAS# 26544-23-0 EINECS/ELINCS# 247-777-4		R38 R43 R50/53	Xi N

**3. 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.**

**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.

**WESTON® DPDP**

**Version:** 1.1  
**Date of Issue:** 09.08.2006  
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**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.

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**5. FIRE-FIGHTING MEASURES**

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**Flash point:** 154 °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.

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**6. ACCIDENTAL RELEASE MEASURES**

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**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**

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**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.

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**Version:** 1.1  
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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE LIMIT VALUES

No other exposure limits have been established

#### 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
Odor threshold	No data available.

#### OTHER PROPERTIES

Boiling point	No data available.
Melting point	No data available.
Solidification	Not available
pH	Not available
Specific gravity (H <sub>2</sub> O=1)	Not available
Density	1,02 g/cm <sup>3</sup> at 25 °C
Vapor pressure	6,7 hPa at 170 °C
Solubility in water	Insoluble, Hydrolyzes slowly
Solubility in organic solvents	No data available.
Partitioning coefficient	No data available.
Flash point	154 °C Method: Pensky Martens closed cup
Autoignition temperature	No data available.
Upper explosion limits	Not available

**WESTON® DPDP**

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**Lower explosion limits** Not available  
**Percent volatiles** Not available

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**10. STABILITY AND REACTIVITY**

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**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.

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**11. TOXICOLOGICAL INFORMATION**

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**SWALLOWING**

Test results

Acute toxicity: LD50 Rat  
Result: 4.000 mg/kg

Test results

Chronic toxicity: Remark: Clinical (ataxia) and histopathological evidence of neurotoxicity was demonstrated in one of ten hens orally administered 5 g/kg.

**SKIN ABSORPTION**

Test results

Acute toxicity: LD50 - Rabbit  
Result: > 5.000 mg/kg

**INHALATION**

Test results

Acute toxicity: LC50 - Rats  
Result: > 8 mg/l

**SKIN CONTACT**

Test results

Skin irritation: Species: Rabbit  
Classification: Moderate skin irritant.

**EYE CONTACT**

Test results

Eye irritation: Species: Rabbit  
Result: Slight irritation

**SENSITIZATION**

Test results: Species: - Guinea pig;  
Result: sensitizing

**WESTON® DPDP**

Version: 1.1  
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MUTAGENICITY

Assessment: This material was not mutagenic in an Ames bacterial assay.

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

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**12. ECOLOGICAL INFORMATION**

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Biodegradation: Remark: Not readily biodegradable.

Additional information

Effects to be expected according to calculation scheme laid down in EC-Directive 1999/45/EC and amendments and adaptations: aqua. tox. <= 1 mg/l

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**13. DISPOSAL CONSIDERATIONS**

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**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.

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**14. TRANSPORT INFORMATION**

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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.  
**Class:** 9  
**UN ID #:** UN 3082  
**Packing group:** III  
**Technical description** (ALKYL ARYL PHOSPHITE)

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### 15. REGULATORY INFORMATION

#### EC 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 Avoid contact with skin.  
 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 : Isodecyl diphenyl phosphite

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

**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 \*\*\*\*

#### 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:** The ingredients of this product are 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.  
 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
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<b>Asia Pacific:</b>	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
	Thailand	+66 2 642 7851
<b>Middle East:</b>	Arabic speaking countries	+961 3 487 287
	All other countries	+44 (0)208 762 8322
<b>Africa:</b>	Arabic speaking countries	+961 3 487 287
	All other countries	+44 (0)208 762 8322
<b>Latin America:</b>	All	+44 (0)208 762 8322

STP	Standard temperature and pressure
W/W	Weight/Weight

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