

# SAFETY DATA SHEET

Revision Date 06-Nov-2010

**Revision Number 1** 

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier** 

Product Description:Phenyl dichlorophosphateCat No.130480000; 130480250SynonymsPhenyl phosphorodichloridate

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals
Uses advised against No Information available

Details of the supplier of the safety data sheet

Company

Acros Organics BVBA

Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

E-mail address begel.sdsdesk@thermofisher.com

**Emergency Telephone Number** 

For information in the US, call: 800-ACROS-01 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99 Emergency Number, US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300 CHEMTREC Phone Number, Europe: 703-527-3887

### 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Skin Corrosion / irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R phrases mentioned in this Section, see Section 16

Symbol(s) C - Corrosive

R -phrase(s)

R14 - Reacts violently with water

R22 - Harmful if swallowed

R29 - Contact with water liberates toxic gas

R34 - Causes burns

### 2. HAZARDS IDENTIFICATION





#### Signal Word Danger

#### **Hazard Statements**

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H302 - Harmful if swallowed

EUH029 - Contact with water liberates toxic gas

EUH014 - Reacts violently with water

#### Precautionary Statements - EU (§28, 1272/2008)

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P280 - Wear eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P402 + P404 - Store in a dry place. Store in a closed container

P301+ P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

#### Other Hazards

No information available.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC No.	Weight %	CAS-No	Classification	GHSCLAS	REACH Reg. No.
Phosphorodichloridic acid, phenyl	EEC No. 212-	99	770-12-7	R14	Skin Corr. 1B	
ester	220-6			Xn; R22	(H314)	
				R29	Acute Tox. 4	
				C; R34	(H302)	
					(EUH014)	
					(EUH029)	
					` ,	

For the full text of the R phrases mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

Description of first aid measures

**Eye Contact** Immediate medical attention is required Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes Immediate medical attention is required

Do not induce vomiting Never give anything by mouth to an unconscious person Drink plenty of Ingestion

water Call a physician immediately If possible drink milk afterwards

Inhalation Remove from exposure, lie down Move to fresh air If breathing is difficult, give oxygen If not

breathing, give artificial respiration Immediate medical attention is required

**Notes to Physician** Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media** Suitable Extinguishing Media Carbon dioxide (CO<sub>2</sub>) Dry chemical

Extinguishing media which must not be used for safety reasons

Water Foam

Special hazards arising from the substance or mixture

Contact with water liberates toxic gas Water reactive Produce flammable gases on contact with water

Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective

#### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

**Environmental precautions** 

Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Keep in suitable and closed containers for disposal Wear self-contained breathing apparatus and protective suit

#### 7. HANDLING AND STORAGE

**Precautions for Safe Handling** 

Do not breathe dust Do not breathe vapors or spray mist Do not get in eyes, on skin, or on clothing Use only in area provided with appropriate exhaust ventilation Keep under nitrogen

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place Keep container tightly closed Protect from moisture Corrosives area

Specific End Uses

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters** 

**Exposure limits** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Derived No Effect Level (DNEL)
Predicted No Effect Concentration

(PNEC)

No information available. No information available.

Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and

safety showers are close to the workstation location

Personal protective equipment

**Eye Protection** Goggles

Hand Protection

Skin and body protection Respiratory Protection

Protective gloves
Wear appropriate protective gloves and clothing to prevent skin exposure

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits

are exceeded or if irritation or other symptoms are experienced

**Hygiene Measures** 

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls** 

No information available.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical StateLiquidAppearanceLight brownodorodorless

pHVapor PressureNo information available.No information available.

Vapor Density 7.28

**Boiling Point/Range** 241 - 243°C / 465.8 - 469.4°F @ 760 mmHg

Melting Point/Range $-1^{\circ}$ C /  $30.2^{\circ}$ FFlash Point>  $110^{\circ}$ C / >  $230^{\circ}$ FWater SolubilityDecomposesSpecific Gravity1.412

Molecular Formula C6 H5 Cl2 O2 P

Molecular Weight 210.98

#### 10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Stable under normal conditions.

**Possibility of Hazardous Reactions** 

Hazardous Polymerization
Hazardous Reactions .

No information available.
No information available.

**Conditions to Avoid** 

Incompatible products, Exposure to moist air or water.

**Incompatible Materials** 

Strong oxidizing agents, Strong bases, Alcohols.

**Hazardous Decomposition Products** 

Hydrogen chloride gas. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Oxides of phosphorus. Phosphorus trihydride (phosphine).

#### 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

### 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity** 

Product Information No acute toxicity information is available for this product

**Component Information** 

**Chronic Toxicity** 

Carcinogenicity There are no known carcinogenic chemicals in this product

SensitizationNo information available.Mutagenic EffectsNo information availableReproductive EffectsNo information available.Developmental EffectsNo information available.Target OrgansNo information available.

Other Adverse Effects The toxicological properties have not been fully investigated. See actual entry in RTECS for

complete information

Endocrine Disruptor Information None known

### 12. ECOLOGICAL INFORMATION

**Toxicity** 

ground water system

Persistence and degradability

No information available

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

Other adverse effects

No information available

### 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from Residues / Unused

**Products** 

Contaminated Packaging

Dispose of in accordance with local regulations

Empty containers should be taken for local recycling, recovery or waste disposal

### 14. TRANSPORT INFORMATION

IMDG/IMO

UN-No 3265 Hazard Class 8

14. TRANSPORT INFORMATION

Packing Group

Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

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**ADR** 

UN-No 3265 Hazard Class 8 Packing Group II

Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

**IATA** 

UN-No 3265 Hazard Class 8 Packing Group II

Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.\*

#### 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Phosphorodichloridic acid, phenyl	212-220-6	-		Χ	-	Х	Х	Χ	-	-	-
ester											1

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory Lists

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**AICS** - Inventory of Chemical Substances

**KECL** - Existing and Evaluated Chemical Substances

#### **Chemical Safety Assessment**

### **16. OTHER INFORMATION**

#### Text of R phrases mentioned in Section 2-3

R14 - Reacts violently with water

R22 - Harmful if swallowed

R29 - Contact with water liberates toxic gas

R34 - Causes burns

Revision Date 06-Nov-2010 Revision Summary Not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

# **16. OTHER INFORMATION**

#### Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 other material or in any process, unless specified in the text

**End of Safety Data Sheet** 

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