

PACZOL® ORNAMENTAL GROWTH REGULATOR

EPA Registration Number: 400-515-59807

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PACZOL®
Ornamental Growth Regulator

EPA Registration No. : 400-515-59807

Recommended use of the chemical and restrictions on use

Recommended use : Plant growth regulator

Restrictions on use : Agriculture,
For professional users only.

Company information : OHP, Inc.
PO Box 51230
Mainland, PA 19451
(800) 659-6745

Emergency telephone number

TRANSPORTATION EMERGENCY

(24 hours a day) call : Chemtrec: 1-800-424-9300

MEDICAL EMERGENCY (24 hours a day) and Product Information call : 1-800-356-4647

SDS Information or

Request. : ohp.com

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance : liquid

Colour : grey

Odour : musty

Hazard Summary : No information available.

OSHA Regulatory status : This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Potential Health Effects

Carcinogenicity:

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA. : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture. : Mixture

Hazardous Components

Chemical Name	CAS-No.	Concentration (%)
propane-1,2-diol	57-55-6	>= 10 - < 20

4. FIRST AID MEASURES

If inhaled. : Move to fresh air.
Give oxygen or artificial respiration if needed.
Call a POISON CENTER or doctor/ physician.

In case of skin contact : Remove contaminated clothing and shoes.
Wash off immediately with plenty of water for at least 15 minutes.
Call a POISON CENTER or doctor/ physician.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
Call a POISON CENTER or doctor/ physician.

If swallowed : Call a physician or poison control center immediately.
If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.
Never give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

Suitable extinguishing

media : Extinguishing media - large fires
Alcohol-resistant foam (on small fires)
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing

media : Water spray jet

Specific extinguishing

methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Do not discharge extinguishing waters into streams, rivers and lakes.

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Special protective equipment

for firefighters: Body covering protective clothing, full "turn-out" gear.
 Self-contained breathing apparatus (EN 133)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures . . . : Wear suitable protective equipment.
 Avoid contact with skin and eyes.

Environmental precautions: Prevent leaks and prevent soil / water pollution caused by leaks.

Methods and materials for containment and cleaning up.: Absorb on inert material such as sand, earth, vermiculite.
 Collect for disposal.
 Dam up.
 Large spills should be collected mechanically (remove by pumping) for disposal.
 Pump excess material into suitable container (metal drums, metal tank, or such).
 In accordance with local and national regulations.

7. HANDLING AND STORAGE

Advice on safe handling . . . : Do not get in eyes.
 Avoid prolonged or repeated contact with skin.
 Avoid inhalation of vapour or mist.
 Use with adequate ventilation.
 Wash thoroughly after handling.

Conditions for safe storage: Keep in a dry, cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propane-1,2-diol	57-55-6	TWA	10 mg/m3	US WEEL

Personal protective equipment

Respiratory protection . . . : In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks: Impervious gloves

Eye protection: Safety glasses with side-shields

Skin and body protection . . : Long sleeved clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
Colour: grey
Odour: musty
Odour Threshold: No data available
pH: 7.9, 5 % Water
Melting point/range: Not applicable
Boiling point/boiling range . . : No data available
Flash point: > 93.3 °C
 Method: Setaflash closed cup ASTM D 3828
Evaporation rate: No data available
Upper explosion limit: No data available
Lower explosion limit: No data available
Vapour pressure: No data available
Relative vapour density : 0.001 (20 °C)
Relative density: No data available
Density: 1.05 g/cm3
Solubility(ies)
Water solubility: dispersible
Solubility in other solvents: No data available
 Solvent: Organic solvents

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature . . : No data available

Decomposition temperature: No data available

Viscosity
Viscosity, dynamic: No data available
Viscosity, kinematic: No data available

Self-Accelerating decomposition temperature (SADT): Method: No information available.

10. STABILITY AND REACTIVITY

Incompatible materials : Oxidizing agents

Hazardous decomposition products: Nitrogen oxides (NOx)
 Carbon oxides
 Other hazardous decomposition products may be formed.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): 5,346 g/kg
Acute inhalation toxicity : LC50 (Rat): 369 mg/l
Exposure time: 4 h
Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Components:

propane-1,2-diol:

Acute oral toxicity : LD50 (Rat): 20,000 mg/kg
LD50 (Rabbit):
18,500 mg/kg
Acute dermal toxicity : LD50 (Rabbit):
20,800 mg/kg

Skin corrosion/irritation

Product:

Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation

Product:

Species : Rabbit
Result : No eye irritation

Respiratory or skin sensitisation

Product:

Species : Guinea pig
Result : negative

Germ cell mutagenicity

Product:

Germ cell mutagenicity
- Assessment : Based on available data,
the classification criteria are not met.

Carcinogenicity

Product:

Carcinogenicity
- Assessment : Based on available data,
the classification criteria are not met.

Reproductive toxicity

Product:

Reproductive toxicity
- Assessment : Based on available data,
the classification criteria are not met.

STOT - single exposure

Product:

Remarks : No data available

STOT - repeated exposure

Product:

Remarks : No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity : No data available

Persistence and degradability : No data available

Bioaccumulative potential : No data available

Mobility in soil : No data available

Other adverse effects

Product:

Additional ecological information : The following information
is applicable to a component of this material:
The product itself has not been tested.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : In accordance with local
and national regulations.

14. TRANSPORT INFORMATION

International Regulation

UNRTDG : Not regulated as a
dangerous good

IATA-DGR : Not regulated as a
dangerous good

IMDG-Code : Not regulated as a
dangerous good

**Transport in bulk according to Annex II of MARPOL
73/78 and the IBC Code** : Not applicable for prod-
uct as supplied.

National Regulations

49 CFR : Not regulated as a
dangerous good

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15. REGULATORY INFORMATION

OSHA Hazards: No OSHA Hazards
EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
caustic soda	1310-73-2	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity
 This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: No SARA Hazards
SARA 302: The following components are subject to reporting levels established by SARA Title III, Section 302:

sulphuric acid	7664-93-9	0.0001 %
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SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

quartz (SiO ₂)	14808-60-7
sulphuric acid	7664-93-9
naphthalene	91-20-3

FIFRA Hazard Information:
 This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION

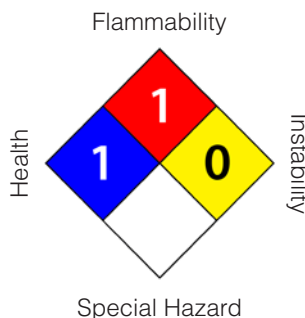
Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.
 Do not use or store near heat or open flame

16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = Not significant, 1 = Slight,
 2 = Moderate, 3 = High,
 4 = Extreme, * = Chronic

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 other materials or in any process, unless specified in the text.

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