Revision: 1.1 Date: 15.09.2015



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),

1272/2008 (CLP) & 453/2010

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PCH-12C

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name PCH-12C

Chemical Name Ricinus Oil/Castor Oil

CAS No. 8001-79-4
EINECS No. 232-293-8
REACH Registration No. None assigned.

1.2 Relevant identified uses of the substance or mixture

and uses advised against

Identified Use(s) Photostress® measurements.

Uses Advised Against None known.

1.3 Supplier's details

1.4

Company Identification Vishay Measurements Group, Inc.

Post Office Box 27777 Raleigh, NC 27611

USA

 Telephone
 919-365-3800

 Fax
 919-365-3945

E-Mail (competent person) mm.us@vishaypg.com
Emergency Phone No. 1-800-424-9300 (U.S.)

CHEMTREC

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification Not classified as dangerous for supply/use.

2.2 Label elements According to GHS Classification

Product Name PCH-12C

Hazard Pictogram(s)

None assigned.

Signal Word(s) None assigned.

Hazard Statement(s)

None assigned.

Precautionary Statement(s)

None assigned.

2.3 Other hazards None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

GHS Classification

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard Statement(s)
Ricinus Oil/Castor Oil	100	8001-79-4	232-293-8	Not classified.

3.2 Mixtures Not applicable.

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4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation Unlikely route of exposure.

Skin Contact Wash skin with soap and water. If skin irritation occurs: Get medical

advice/attention.

None known.

Eye Contact Flush eyes with water for at least 15 minutes while holding eyelids open. If eye

irritation persists, get medical advice/attention.

May decompose in a fire giving off toxic fumes.

Ingestion Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.

Do not induce vomiting. If symptoms persist, obtain medical attention.

4.2 Most important symptoms and effects, both acute

and delayed

4.3 Indication of any immediate medical attention and

special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable extinguishing Media Do not use water jet.

5.2 Special hazards arising from the substance or mixture

mixture

6.4

7.3

5.3 Advice for fire-fighters Fire fighters should wear complete protective clothing including self-contained

breathing apparatus. Do not breathe fumes. Keep containers cool by spraying

with water if exposed to fire. Avoid run off to waterways and sewers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment andWear suitable gloves if prolonged skin contact is likely. Wash hands thoroughly after handling.

emergency procedures after handling.
 Environmental precautions Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning Clean up spill immediately. Wipe up remainder then remove to safe place.

Transfer to a container for disposal. Recover or recycle if possible.

Reference to other sections See Section: 8, 13

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling Wear suitable gloves if prolonged skin contact is likely. Wash hands thoroughly

after handling. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any Store in a well-ventilated place. Keep container tightly closed. Keep away from

heat, sources of ignition and direct sunlight.

Photostress® measurements.

Storage temperature Ambient. <43 °C

Storage life Stable under normal conditions.

Incompatible materials Keep away from: Oxidizing agents, Acids.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

incompatibilities

Specific end use(s)

8.1.1 Occupational Exposure Limits Not established.

8.1.2 Biological limit value Not established.8.1.3 PNECs and DNELs Not established.

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8.2 Exposure controls

8.2.1 Appropriate engineering controls Ensure adequate ventilation. Atmospheric levels should be controlled in

compliance with the occupational exposure limit.

8.2.2 Individual protection measures, such as personal

protective equipment (PPE)

Use personal protective equipment as required. Wash contaminated clothing

before reuse. Avoid contact with skin and eyes.

Eye/face protection Wear protective eye glasses for protection against liquid splashes. Wear eye

protection with side protection (EN166).

Skin protection Wear impervious gloves (EN374).

Respiratory protection Normally no personal respiratory protection is necessary.

9.2

Thermal hazards Not applicable.

8.2.3 Environmental Exposure Controls Avoid release to the environment

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Clear / Yellowish Coloured liquid

Odour Mild odour
Odour Threshold Not available.
pH Not established.
Melting Point/Freezing Point Not established.

Initial boiling point and boiling range

Flash point

Flash point

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Vapour pressure

313 ℃

Not available.

Non-flammable.

Not available.

>0.1

Vapour pressure>0.1Vapour densityNot available.Relative density0.959g/cm³ (H2O = 1)Solubility(ies)Insoluble (Water)

Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition Temperature
Viscosity
Not available.
Not available.
Not available.
Not available.
Explosive properties
Not explosive.
Oxidising properties
Not oxidising.
Other information
None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Stable under normal conditions.
 10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions Hazardous polymerisation will not occur.

10.4 Conditions to avoid Keep away from heat, sources of ignition and direct sunlight.

10.5 Incompatible materials Oxidizing agents, Acids.

10.6 Hazardous decomposition product(s) May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon

dioxide.

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11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (Substances in preparations / mixtures)

Acute toxicity

Ingestion Not classified. Inhalation Not classified. Skin Contact Not classified. Eye Contact Not classified. Irritation Not classified. Corrosivity Not classified. Sensitisation Not classified. Repeated dose toxicity Not classified. Carcinogenicity Not classified. Mutagenicity Not classified. **Toxicity for reproduction** Not classified. Other information NTP: Not Listed

11.2 Other information NTP: Not Listed IARC Monographs: Not Listed

OSHA Regulated: Not Listed

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Not classified as a Marine Pollutant.

12.2 Persistence and degradability Readily biodegradable.

12.3 Bioaccumulative potential No data.

12.4 Mobility in soil The substance may adsorb onto soils and sediments.

12.5 Results of PBT and VPVB assessment Not classified as PBT or vPvB.

12.6 Other adverse effects None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Dispose of contents in accordance with local, state or national legislation.

13.2 Additional Information None.

14. SECTION 14: TRANSPORT INFORMATION

ADR/RID / IMDG / IATA

14.1 UN number Not classified as dangerous for transport.

14.2Proper Shipping NameNot classified14.3Transport hazard class(es)Not classified14.4Packing groupNot classified14.5Environmental hazardsNot classified14.6Special precautions for userNot classified

14.6 Special precautions for user Not classified 14.7 Transport in bulk according to Annex II of Not classified

MARPOL73/78 and the IBC Code

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental None.

regulations/legislation specific for the substance or

mixture

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References: Existing Safety Data Sheet (SDS) and the Classification and Labelling Inventory for Ricinus Oil/Castor Oil (CAS# 8001-79-4).

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Classification of the substance or mixture According to	Classification Procedure	
Regulation (EC) No. 1272/2008 (CLP)		
Not classified	None.	

LEGEND

LTEL Long Term Exposure Limit
STEL Short Term Exposure Limit
DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

PBT PBT: Persistent, Bioaccumulative and Toxic PvB PPT: very Persistent and very Toxic PVP National Toxicology Program

IARC International Agency for Research on Cancer
OSHA Occupational Safety and Health Administration

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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Annex to the extended Safety Data Sheet (eSDS)

No information available.



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