

ZEPHYRYM PD 2206-LQ-(AP)

Version 1.1

Revision Date 05/11/2016

Print Date 01/19/2021

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ZEPHYRYM PD 2206-LQ-(AP)
Registered Product Identity : ZEPHYRYM PD 2206
Product code : PS47244
Chemical Name : Copolymer

Manufacturer or supplier's details

Company : Croda Inc.
Address : 777 Scudders Mill Road, Bldg. 2
Plainsboro, NJ 08536
Telephone : (609) 212-2500
Telefax : (609) 212-2501

Emergency telephone : USA: 24 Hour Emergency Response Information CHEMTREC
toll free: 1-800-424-9300; direct/international: 1-703-527-3887.
CANADA: GFL 1-877-898-7222. EUROPE: 00 32 3575 5555.
ASIA PACIFIC - excl. China: +65 6542-9595. CHINA: +86 816-
635 2206. AUSTRALIA: +61 2 7808 3390. SOUTH AFRICA:
+32 3 575 55 55. BRASIL: Ambipar 0800 117 2020. LATAM:
Suatrans (+55) 11 98149-0850 / (+55) 19 3833-5300. INDIA:
+91 22 30948601/2. JAPAN: +65 6542 9595 (24時間日本語対
応無料通話, シンガポール). TÜRKIYE: Sağlık Bakanlığı Ulusal
Zehir Merkezi - 114

Recommended use of the chemical and restrictions on use

Recommended use : Surfactant
Prepared by : Product Safety and Regulatory Affairs Department
(732) 417-0800

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards which do not result in classification

May irritate eyes.
May irritate skin.
May cause irritation of respiratory tract.
Ingestion may cause irritation to mucous membranes.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Pure substance

ZEPHYRYM PD 2206-LQ-(AP)

Version 1.1

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Hazardous ingredients

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

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| If inhaled | : | If breathed in, move person into fresh air.
If symptoms persist, call a physician. |
| In case of skin contact | : | Wash off with soap and plenty of water.
If symptoms persist, call a physician. |
| In case of eye contact | : | Immediately flush eye(s) with plenty of water.
If eye irritation persists, consult a specialist. |
| If swallowed | : | If large quantities of this material are swallowed, call a physician immediately. |

SECTION 5. FIRE-FIGHTING MEASURES**Flammable properties**

- | | | |
|--|---|---|
| Flash point | : | > 110 °C (230 °F)
Method: closed cup |
| Suitable extinguishing media | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : | High volume water jet |
| Specific extinguishing methods | : | Standard procedure for chemical fires. |
| Further information | : | Material will float on top of water, treat as a grease fire. |
| Special protective equipment for fire-fighters | : | In the event of fire, wear self-contained breathing apparatus. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | | |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.
Ensure adequate ventilation. |
| Methods and materials for containment and cleaning up | : | Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal. |

SECTION 7. HANDLING AND STORAGE

- | | | |
|-------------------------|---|--|
| Advice on safe handling | : | No special handling advice required.
Handle in accordance with good industrial hygiene and safety |
|-------------------------|---|--|

ZEPHYRYM PD 2206-LQ-(AP)

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practice.

Conditions for safe storage : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters****Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection
Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Impervious clothing

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : dark brown

Odor : No data available

Odor Threshold : No data available

pH : No data available

Melting point : No data available

Boiling point : No data available

Decomposition temperature : No data available

Flash point : > 110 °C (230 °F) Method: closed cup

Evaporation rate : No data available

Vapor pressure : No data available

Relative density : approximately 0.94

Density : No data available

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : Solvent: Ethyl acetate

Solvent: mineral oil

ZEPHYRYM PD 2206-LQ-(AP)

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Solvent: vegetable oil

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

Thermal decomposition : No data available

Viscosity

Viscosity, kinematic : No data available

SECTION 10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:Acute oral toxicity : LD50 Oral Rat: > 2,000 mg/kg
Test substance: 100%
Remarks: May be harmful if swallowed.

Skin corrosion/irritation

Product:Species: Rabbit
Exposure time: 7 d
Method: OECD Test Guideline 404
Test substance: 100%
Remarks: slight irritation

Serious eye damage/eye irritation

Product:Species: Rabbit
Exposure time: 4 d
Method: Draize Test

ZEPHYRYM PD 2206-LQ-(AP)

Version 1.1

Revision Date 05/11/2016

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Test substance: 100%
Remarks: Mild eye irritation

Respiratory or skin sensitization**Product:**

Test Method: Maximization Test (GPMT)
Species: Guinea pig
Result: Did not cause sensitization.
Method: OECD Test Guideline 406
Test substance: 0.1%
Remarks: Did not cause sensitization on laboratory animals.

Remarks: Patch test on human volunteers did not demonstrate irritating properties.

Germ cell mutagenicity**Product:**

Germ cell mutagenicity- : In vitro tests did not show mutagenic effects
Assessment

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 322 mg/l
aquatic invertebrates Exposure time: 48 h

Persistence and degradability**Bioaccumulative potential****Product:**

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

ZEPHYRYM PD 2206-LQ-(AP)

Version 1.1

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Mobility in soil

No data available

Other adverse effects**Product:**

Results of PBT and vPvB assessment : Remarks: No data available

Additional ecological information : There is no data available for this product.

Information given is based on data on the ingredients and the ecotoxicology of similar products.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**International Regulation****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

Domestic regulation**Special precautions for user**

Remarks : Not regulated for transport in accordance with DOT, TDG, IMDG, and IATA regulations.

SECTION 15. REGULATORY INFORMATION

TSCA list : Not relevant
Not relevant

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

ZEPHYRYM PD 2206-LQ-(AP)

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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.

US State Regulations

Pennsylvania Right To Know

NJTSN 08306620-5112P

90 - 100 %

New Jersey Right To Know

NJTSN 08306620-5112P

90 - 100 %

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

TSCA

All chemical substances in this product are listed on the TSCA Inventory.

REACH

On the inventory, or in compliance with the inventory

DSL

All components of this product are on the Canadian DSL

CH INV

The mixture contains substances listed on the Swiss Inventory

AICS

On the inventory, or in compliance with the inventory

ENCS

On the inventory, or in compliance with the inventory

ISHL

On the inventory, or in compliance with the inventory

KECI

On the inventory, or in compliance with the inventory

PICCS

On the inventory, or in compliance with the inventory

IECSC

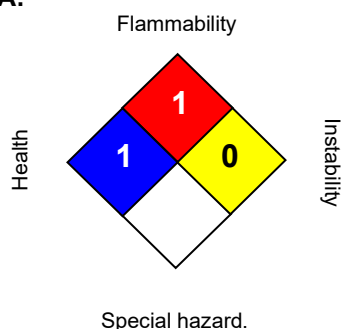
On the inventory, or in compliance with the inventory

For explanation of abbreviations see section 16.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS II:

HEALTH	1
FLAMMABILITY	1
Reactivity	0

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

Key or legend to abbreviations and acronyms used in the safety data sheet

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

ZEPHYRM PD 2206-LQ-(AP)

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The information provided in this Material 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.