

Panosorb

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Panosorb

Product code : 000000000020008721

Manufacturer or supplier's details

Company name of supplier : Celanese Comercial S. de R.L. de C.V.

Address : Avenida Santa Fe No. 495, Interior 2103, Piso 21, Col. Cruz Manca
Municipio de Cuajimalpa, MexicoC.P. 05349

Telephone : +52 55-54809100

E-mail address of person responsible for the SDS : HazCom@celanese.com

Emergency telephone number : DOMESTIC MEXICO : + 01-800-681-9531
INTERNATIONAL, CALL +1 703-527-3887 (collect calls accepted)

Recommended use of the chemical and restrictions on use


Recommended use : Food additive

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Skin irritation : Category 2

Eye irritation : Category 2

GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H320 Causes eye irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

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P302 + P352 IF ON SKIN: Wash with plenty of water.
P332 + P313 If skin irritation occurs: Get medical advice/
attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water
for several minutes. Remove contact lenses, if present and easy
to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/
attention.
P362 + P364 Take off contaminated clothing and wash it before
reuse.

Other hazards

Risk of dust explosion.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Components**

| Chemical name | CAS-No. | Concentration (% w/w) |
|-----------------------|----------|-----------------------|
| hexa-2,4-dienoic acid | 110-44-1 | >= 99.9 |

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Do not leave the victim unattended.
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air in case of accidental inhalation of vapours.
Get medical attention immediately if symptoms occur.
- In case of skin contact : Wash off immediately with plenty of water.
Get medical attention immediately if irritation develops and
persists.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.
Get medical advice/ attention.
- If swallowed : Do NOT induce vomiting.
Call a physician immediately.
- Most important symptoms and effects, both acute and delayed : May cause irritation of respiratory tract.
- Notes to physician : Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Carbon dioxide (CO₂)
Foam
Dry chemical

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| Unsuitable extinguishing media | : | High volume water jet |
| Specific hazards during firefighting | : | Risk of dust explosion. |
| Specific extinguishing methods | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for firefighters | : | Wear self-contained breathing apparatus for firefighting if necessary. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment. Avoid dust formation. Avoid breathing dust. |
| Environmental precautions | : | Should not be released into the environment. Do not discharge large quantities of concentrated spills or residues into surface water or sanitary sewer system. |
| Methods and materials for containment and cleaning up | : | Neutralize with chalk, alkali solution or ammonia. Keep in suitable, closed containers for disposal. |

SECTION 7. HANDLING AND STORAGE

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| Advice on protection against fire and explosion | : | Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. |
| Advice on safe handling | : | Avoid formation of respirable particles. Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. |
| Hygiene measures | : | Avoid contact with the skin and the eyes. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. |
| Conditions for safe storage | : | Keep in a dry, cool place. Store locked up. Protect against light Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

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Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Do not store near acids.

Further information on storage stability : Keep in a dry place.
No decomposition if stored and applied as directed.

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

Respiratory protection : Respirator with a dust filter
Use NIOSH approved respiratory protection.

Filter type : P2 filter

Hand protection
Material : Nitrile rubber

Eye protection : Tightly fitting safety goggles
Face-shield

Skin and body protection : Protective suit

Protective measures : Do not get in eyes, on skin, or on clothing.
Do not breathe dust.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : white

Odour : odourless

pH : 3.5 (20 °C)
Concentration: 1.6 g/l

Melting point/range : 134 °C

Boiling point/boiling range : 170 °C

Flash point : Not applicable

Vapour pressure : 0.00018 hPa (20 °C)

Density : 1.2 g/cm³ (20 °C)

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| Solubility(ies) | |
| Water solubility | : 1.56 g/l (20 °C) |
| Partition coefficient: n-octanol/water | : log Pow: 1.32 (20 °C) |
| | pH: 2.5 |
| | log Pow: -1.720 (20 °C) |
| | pH: 6.5 |
| Viscosity | |
| Viscosity, dynamic | : Not applicable |
| Explosive properties | : not applicable based on consideration of the structure |
| Dust explosion class | : St1 |

SECTION 10. STABILITY AND REACTIVITY

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| Reactivity | : Stable under normal conditions. |
| Chemical stability | : No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use. No decomposition if stored and applied as directed. |
| Conditions to avoid | : No data available |
| Incompatible materials | : Oxidizing agents |
| Hazardous decomposition products | : No hazardous decomposition products are known. |

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Components:****hexa-2,4-dienoic acid:**

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| Acute oral toxicity | : LD50 (Rat): > 10,000 mg/kg |
| Acute dermal toxicity | : LD50 (Rat): > 2,000 mg/kg |

Skin corrosion/irritation**Components:****hexa-2,4-dienoic acid:**

| | |
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| Species | : Rabbit |
| Method | : EEC 84/449, B.4 |
| Result | : No skin irritation |
| Remarks | : Based on published data in humans, it causes skin irritation. |

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Serious eye damage/eye irritation**Components:****hexa-2,4-dienoic acid:**

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|---------|---|-----------------|
| Species | : | Rabbit |
| Result | : | Eye irritation |
| Method | : | EEC 84/449, B.5 |

Respiratory or skin sensitisation**Components:****hexa-2,4-dienoic acid:**

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| Species | : | Guinea pig |
| Method | : | Similar to EEC 96/54, B.6 |
| Result | : | Not a skin sensitizer. |

Germ cell mutagenicity**Components:****hexa-2,4-dienoic acid:**

| | | |
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| Genotoxicity in vivo | : | Test Type: Micronucleus test |
| | | Species: Mouse |
| | | Method: OECD Test Guideline 474 |
| | | Result: negative |

Carcinogenicity**Components:****hexa-2,4-dienoic acid:**

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| Species | : | Rat |
| Result | : | No evidence of carcinogenicity in animal studies. |

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****hexa-2,4-dienoic acid:**

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| Toxicity to fish | : | LC50 (<i>Oryzias latipes</i> (Orange-red killifish)): 75 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (<i>Daphnia magna</i> (Water flea)): 70 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants | : | EC50 (<i>Desmodesmus subspicatus</i> (green algae)): 24.1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 |

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10 (Daphnia magna (Water flea)): 50 mg/l
Method: OECD Test Guideline 211

Toxicity to microorganisms : EC50: > 100 mg/l
Exposure time: 3 h
Test Type: activated sludge
Method: OECD Test Guideline 209

Persistence and degradability**Components:****hexa-2,4-dienoic acid:**

Biodegradability : Result: Readily biodegradable.
Method: OECD Test Guideline 301D

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.
Dispose of as hazardous waste in compliance with local and national regulations.

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

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations**NOM-002-SCT**

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Federal Law for the control of chemical precursors, : Not applicable
essential chemical products and machinery for
producing capsules, tablets and pills.

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic

SAFETY DATA SHEET



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Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

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