SECTION 1. IDENTIFICATION

**Identification of the company:**
Clariant Produkte (Deutschland) GmbH
Frankfurt am Main, 65926
Telephone No.: +49 69 305 18000

**Information of the substance/preparation:**
Product Safety 1-704-331-7710

**Emergency tel. number:** +1 800-424-9300 CHEMTREC

**Trade name:** HOSTAVIN PR-25 P
**Material number:** 129900
**CAS number:** 7443-25-6

**Primary product use:** UV absorber

**Chemical family:** Benzylidenemalonic acid ester. = Dimethyl (p-methoxybenzylidene) malonate

SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**

**Eye irritation**
Category 2A

**Combustible dust**

**GHS Label element**

**Hazard pictograms**

**Signal word**
Warning

**Hazard statements**
H319 Causes serious eye irritation.
May form combustible dust concentrations in air

**Precautionary statements**

**Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P233 Keep container tightly closed.

**Response:**
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.

**Disposal:**
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl 4-Methoxybenzylidenemalonate</td>
<td>Not Assigned</td>
<td>100</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Get medical advice/attention if you feel unwell.

If inhaled : Move the victim to fresh air.

Give oxygen or artificial respiration if needed.

Get immediate medical advice/attention.

Never give anything by mouth to an unconscious person.

In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

If swallowed : Do NOT induce vomiting.

Get immediate medical advice/attention.

Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).

No additional symptoms are known.

Notes to physician : None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : all

Unsuitable extinguishing media : No restrictions

Specific hazards during firefighting : Carbon oxides

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a
Potential dust explosion hazard. Routine housekeeping should be instituted to ensure that
dusts do not accumulate on surfaces.

Further information

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and protective clothing. Cool containers with water to prevent rupture due to pressure buildup.

Special protective equipment for firefighters

Wear personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See: Exposure controls and personal protection. Avoid dust formation. Wearing appropriate personal protective equipment, contain spill and collect into a suitable container. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Environmental precautions

Do not allow to enter drains or waterways

Methods and materials for containment and cleaning up

Take up mechanically and dispose of

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Potential dust explosion hazard.

Avoid dust formation.

Keep away sources of ignition.

Observe the usual precautionary measures required for chemicals with dust explosive properties (Observe national regulations).

Advice on safe handling

Avoid dust formation. Keep away from sources of ignition. Lead off electrostatic charges. Avoid inhalation, ingestion and contact with skin and eyes. Wash thoroughly after handling.

Technical measures/Precautions

Store in a cool, dry, well-ventilated area. Keep container sealed when not in use.
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

**Engineering measures**
- Local ventilation recommended - mechanical ventilation may be used.
  
Local exhaust
  See section 7; no measures in addition to the ones mentioned are necessary.

**Personal protective equipment**

**Respiratory protection**
- Use NIOSH/MSHA approved respirators following manufacturer’s recommendations where dust or fume may be generated.

**Hand protection**

**Remarks**
- Nitrile Gloves.

**Eye protection**
- Safety glasses or chemical splash goggles.

**Skin and body protection**
- Wear suitable protective equipment.

**Protective measures**
- Observe the usual precautions for handling chemicals.

**Hygiene measures**
- Do not breathe dust.
- Avoid contact with skin and eyes.
- Ensure adequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**
- powder

**Colour**
- white

**Odour**
- not specified

**Odour Threshold**
- not determined

**pH**
- \( (20 \, ^\circ C) \) Not applicable

**Melting point**
- 55 - 59 °C
  - Method: DSC
  - GLP: no

**Boiling point**
- 352 °C
  - \( (1,013 \, hPa) \)
  - Method: EEC 84/449, A.2
  - GLP: no

**Flash point**
- Not applicable
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation rate</td>
<td>not tested</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>does not ignite</td>
</tr>
<tr>
<td>Method: Flammability (solids)</td>
<td>GLP: yes</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>not tested</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>not tested</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>0.0000024 hPa (20 °C)</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 104</td>
<td>GLP: yes</td>
</tr>
<tr>
<td></td>
<td>0.0000052 hPa (25 °C)</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 104</td>
<td>GLP: yes</td>
</tr>
<tr>
<td></td>
<td>0.00018 hPa (50 °C)</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 104</td>
<td>GLP: yes</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>not tested</td>
</tr>
<tr>
<td>Density</td>
<td>1.34 g/cm³ (20 °C)</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 109</td>
<td>GLP: yes</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Water solubility</td>
</tr>
<tr>
<td></td>
<td>91 mg/l (20 °C)</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 105</td>
<td>GLP: no</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>not tested</td>
</tr>
<tr>
<td>Solvent: fat</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>log Pow: 2.4 (approx. 23 °C)</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 107</td>
<td>GLP: no</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>not tested</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>&gt; 75 °C</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 113</td>
<td>The data relate to the SADT (Self Accelerating Decomposition Temperature)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Viscosity, dynamic</td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Viscosity, kinematic: Not applicable

Oxidizing properties: The substance or mixture is not classified as oxidizing.
   Method: Expert judgement
   GLP: no
   The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.

Surface tension: not required

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable

Possibility of hazardous reactions: The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions. Stable

Conditions to avoid: None known.

Incompatible materials: not known

Hazardous decomposition products: When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Skin contact
Inhalation

Acute toxicity

Product:
Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg
   Method: OECD Test Guideline 423
   GLP: yes

Acute inhalation toxicity: Remarks: not tested.

Acute dermal toxicity: Remarks: not tested.

Skin corrosion/irritation

Product:
Species: Rabbit
Assessment: non-irritant
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes
Serious eye damage/eye irritation

**Product:**
Species: Rabbit
Result: irritating

Respiratory or skin sensitisation

**Product:**
Test Type: Guinea pig maximization test
Species: Guinea pig
Assessment: non-sensitizing
Method: OECD Test Guideline 406
Result: non-sensitizing
GLP: yes

Germ cell mutagenicity

**Product:**
Genotoxicity in vitro
Test Type: Ames test
Metabolic activation: with and without
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment
Not mutagenic in Ames Test

Carcinogenicity

**Product:**
Carcinogenicity - Assessment
No information available.

IARC
Not listed

OSHA
Not listed

NTP
Not listed

Repeated dose toxicity

**Product:**
Remarks: not tested.

Experience with human exposure

**Product:**
General Information
The possible symptoms known are those derived from the labelling (see section 2).
Further information

**Product:**
Remarks: Other dangerous properties can not be excluded.
No toxicology information is available.
Information given is based on data obtained from similar substances.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Product:**
**Toxicity to fish:**
Remarks: not tested.

**Toxicity to daphnia and other aquatic invertebrates:**
EC50 (Daphnia magna (Water flea)): 1.68 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes

**Toxicity to algae:**
Remarks: not tested.

**Toxicity to bacteria:**
Remarks: not tested.

### Persistence and degradability

**Product:**
**Biodegradability:**
Inoculum: activated sludge, domestic, non-adapted
Concentration: 40 mg/l
Result: Not readily biodegradable.
Biodegradation: 17 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: yes

### Bioaccumulative potential

**Product:**
**Bioaccumulation:**
Remarks: not available

### Mobility in soil

no data available

### Other adverse effects

**Product:**
**Environmental fate and pathways:**
Remarks: no data available

**Results of PBT and vPvB assessment:**
Remarks: no data available

**Additional ecological:**
The product should not be allowed to enter drains, water
SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
- **Waste from residues**: Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
- **Contaminated packaging**: Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

**DOT**
- not restricted

**IATA**
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
- Class: 9
- Packing group: III
- UN/ID number: UN 3077
- Primary risk: 9
- Remarks: Shipment permitted
- Hazard inducer(s): Dimethyl (p-methoxybenzylidene)malonate

**IMDG**
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
- Class: 9
- Packing group: III
- UN no.: UN 3077
- Primary risk: 9
- Hazard inducer(s): Dimethyl (p-methoxybenzylidene)malonate
- Marine pollutant: Marine Pollutant
- EmS: F-A   S-F

SECTION 15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know Act**
- CERCLA Reportable Quantity
  - This material does not contain any components with a CERCLA RQ.

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

**SARA 311/312 Hazards**: Acute Health Hazard

**SARA 302**: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313: This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

Clean Water Act
Contains no known priority pollutants at concentrations greater than 0.1%.

The components of this product are reported in the following inventories:
TSCA: On TSCA Inventory

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

SECTION 16. OTHER INFORMATION

Further information

On the basis of the results of the tests given in section 11, "Toxicology", this product is not considered to be dangerous to health within the meaning of the EC Directive. Nevertheless, in line with the precautionary principle, we recommend taking measures to avoid dust formation and to protect the skin, eyes and respiratory tract of exposed persons while handling this product in his powder form.
None known.

Revision Date: 04/29/2015

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.

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