1. Substance/preparation and manufacturer/supplier identification

**Tinuvin® B 75**

Use: light stabilizer, Light stabilizer for coatings, UV absorber

**Manufacturer/supplier:**
PT BASF Indonesia
Plaza GRI, 10th & 11th Floor Jl. H.R. Rasuna Said Blok X-2 No.1
Jakarta Selatan 12950, P.O. Box 2431 Gbr., Jakarta 10024, INDONESIA
Telephone: +62 21 526-2481 / -2505
Telefax number: +62 21 526-2493 / -2515

**Emergency information:**
+6221 54371979
International emergency number:
Telephone: +49 180 2273-112

2. Hazard identification

Classification of the substance and mixture:
Hazardous to the aquatic environment - acute: Cat. 1
Hazardous to the aquatic environment - chronic: Cat. 1

Label elements and precautionary statement:

Pictogram:

\[\text{Signal Word: Warning}\]
Hazard Statement:
Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):
Avoid release to the environment.

Precautionary Statements (Response):
Collect spillage.

Precautionary Statements (Disposal):
Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/information on ingredients

Chemical nature

Blend based on: Sterically hindered amine light stabilizer, phenolic antioxidant, UV absorber

Hazardous ingredients

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate
Content (W/W): >= 20 % - <= 40 %
CAS Number: 41556-26-7
Acute Tox.: Cat. 5 (oral)
Skin Sens.: Cat. 1A
Aquatic Acute: Cat. 1
Aquatic Chronic: Cat. 1

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
Content (W/W): >= 5 % - <= 10 %
CAS Number: 82919-37-7
Skin Sens.: Cat. 1
Aquatic Acute: Cat. 1
Aquatic Chronic: Cat. 1

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-,C7-9-branched alkyl esters
Content (W/W): >= 15 % - <= 30 %
CAS Number: 125643-61-0
Aquatic Chronic: Cat. 4

Phenol, 2-(2H-benzotriazol-2-yl)-6-dodecyl-4-methyl-, branched and linear
Content (W/W): >= 30 % - <= 50 %
CAS Number: 125304-04-3

4. First-Aid Measures

General advice:
Remove contaminated clothing.
If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:
Rinse mouth and then drink plenty of water.

Note to physician:
Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known. Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Breathing protection required.

Environmental precautions:
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.
Methods for cleaning up or taking up:
For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling
No special measures necessary provided product is used correctly.

Protection against fire and explosion:
Take precautionary measures against static discharges.

Storage
Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

8. Exposure controls and personal protection

Components with occupational exposure limits

No occupational exposure limits known.

Personal protective equipment

Respiratory protection:
Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point $>65\, ^\circ\text{C}$, e. g. EN 14387 Type A)

Hand protection:
Chemical resistant protective gloves
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding $>480$ minutes of permeation time according to EN 374):
- fluororubber (FKM) - 0.7 mm coating thickness
- Polyethylene-Laminate (PE laminate) - ca. 0.1 mm coating thickness
Suitable materials short-term contact and/or splashes (recommended: At least protective index 2, corresponding $>30$ minutes of permeation time according to EN 374):
- nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:
Safety glasses with side-shields.
General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and Chemical Properties

Form: solution
Colour: yellow
Odour: faint odour
Odour threshold: No applicable information available.

pH value: not determined

Melting point: not determined
Boiling point: 200 °C (estimated)
Flash point: > 100 °C
Evaporation rate: Value can be approximated from Henry's Law Constant or vapor pressure.

Flammability (solid/gas): Based on the chemical structure there is no indication of flammability
Lower explosion limit: For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.
Upper explosion limit: For liquids not relevant for classification and labelling.
Ignition temperature: 380 °C (DIN 51794)
Thermal decomposition: > 350 °C (dynamic (Lütolf oven))
Self ignition: > 300 °C (Isoperibolic (Lütolf oven))
Temperature: > 360 °C
Self heating ability: It is not a substance capable of spontaneous heating.

Minimum ignition energy: No data available.
Explosion hazard: not explosive
Fire promoting properties: not fire-propagating
Vapour pressure: < 0.01 Pa (25 °C) (estimated)
Density: 0.95 - 1.0 g/cm³
(20 °C)

Solubility in water: (20 °C)

Hygroscopy: Non-hygroscopic

Partitioning coefficient n-octanol/water (log Pow):
Study scientifically not justified.

Viscosity, dynamic:
not determined

Other Information:
If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:
Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

Thermal decomposition: > 350 °C (dynamic (Lütolf oven))

Thermal decomposition: > 300 °C (Isoperibolic (Lütolf oven))

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Experimental/calculated data:
LD50 rat (oral): > 2,000 mg/kg
(by inhalation): not determined
LD50 rat (dermal): > 2,000 mg/kg

Irritation

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant
Serious eye damage/irritation rabbit: non-irritant

**Respiratory/Skin sensitization**

Assessment of sensitization:
Based on available Data, the classification criteria are not met.

Experimental/calculated data:
guinea pig: Non-sensitizing. (OECD Guideline 406)
Tested as a preparation.

**Germ cell mutagenicity**

Assessment of mutagenicity:
Based on the ingredients, there is no suspicion of a mutagenic effect.

**Carcinogenicity**

Assessment of carcinogenicity:
The whole of the information assessable provides no indication of a carcinogenic effect.

**Reproductive toxicity**

Assessment of reproduction toxicity:
Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

**Other relevant toxicity information**

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

---

**12. Ecological Information**

**Ecotoxicity**

Assessment of aquatic toxicity:
Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Very toxic (acute effect) to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Mobility**

Assessment transport between environmental compartments:
The substance will not evaporate into the atmosphere from the water surface.
No data available.

**Persistence and degradability**

Assessment biodegradation and elimination (H2O):
The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
Elimination information:
not determined

**Bioaccumulation potential**

Assessment bioaccumulation potential:
Discharge into the environment must be avoided.

Bioaccumulation potential:
No data available.

**Other adverse effects**

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

**Additional information**

Other ecotoxicological advice:
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

---

### 13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:
Uncontaminated packaging can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

---

### 14. Transport Information

**Domestic transport:**
- Hazard class: 9
- Packing group: III
- ID number: UN 3082
- Hazard label: 9, EHSM
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2,2,6,6-PENTAMETHYL PIPERIDINE DERIVATIVE)

**Sea transport**
IMDG
- Hazard class: 9
- Packing group: III
- ID number: UN 3082
- Hazard label: 9, EHSM
- Marine pollutant: YES
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2,2,6,6-PENTAMETHYL PIPERIDINE DERIVATIVE)
Air transport
IATA/ICAO
Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 1,2,2,6,6-PENTAMETHYL PIPERIDINE DERIVATIVE)

Further information
This product may be classified as limited quantity in selected package sizes.

15. Regulatory Information

Regulations of the European union (Labelling)


Hazard symbol(s)
N Dangerous for the environment.

R-phrase(s)
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Classification and labelling were undertaken on the basis of tests on the preparation.

Hazard determining component(s) for labelling: REACTION MASS OF BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE AND METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE

Other regulations
16. Other Information

Unsuitable for use: This material is not intended for use in products for which prolonged contact with mucous membranes, body fluids or abraded skin, or implantation within the human body, is specifically intended, unless the finished product has been tested in accordance with nationally and internationally applicable safety testing requirements. Because of the wide range of such potential uses, we are not able to recommend this material as safe and effective for such uses and assume no liability for such uses.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.