# **SAFETY DATA SHEET**

Date of issue/Date of revision 23 October 2024

Version9

# Section 1. Identification

| Product code                                               | : 00239967                                                                                                                                       |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name                                               | : SIGMADUR 550 BASE BLACK 8000                                                                                                                   |
| CAS number                                                 | : Not applicable.                                                                                                                                |
| EC number                                                  | : Mixture.                                                                                                                                       |
| Product type                                               | : Liquid.                                                                                                                                        |
| Relevant identified uses                                   | of the substance or mixture and uses advised against                                                                                             |
| Product use                                                | Coating.<br>Professional applications, Used by spraying.                                                                                         |
| Uses advised against                                       | : Product is not intended, labelled or packaged for consumer use.                                                                                |
| Supplier's details                                         | : PPG Yung Chi Coatings Co. Ltd<br>Lot 219, Amata Street, Long Binh IZ<br>Bien Hoa City, Dong Nai Province<br>Vietnam<br>Tel : +84 61 3936121/22 |
| Emergency telephone<br>number (with hours of<br>operation) | : CHEMTREC +(84)-444581938 (CCN 17704)                                                                                                           |

# Section 2. Hazards identification

| Classification of the substance or mixture | : AMMABLE LIQUIDS - Category 3<br>ACUTE TOXICITY (dermal) - Category 5                                     |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------|
|                                            | ACUTE TOXICITY (inhalation) - Category 4<br>SKIN IRRITATION - Category 2                                   |
|                                            | EYE IRRITATION - Category 2A                                                                               |
|                                            | SKIN SENSITIZATION - Category 1                                                                            |
|                                            | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3               |
|                                            | AQUATIC TOXICITY (ACUTE) - Category 3                                                                      |
|                                            | AQUATIC TOXICITY (CHRONIC) - Category 3                                                                    |
|                                            | Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 38.7%              |
|                                            | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 38.7%          |
|                                            | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 36.3% |
| GHS label elements                         |                                                                                                            |
| Hazard pictograms                          |                                                                                                            |
| Signal word                                | : Warning                                                                                                  |
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Product name SIGMADUR 550 BASE BLACK 8000

# Section 2. Hazards identification

| Hazard statements                                   | <ul> <li>Mammable liquid and vapor.</li> <li>May be harmful in contact with skin.</li> <li>Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye irritation.</li> <li>Harmful if inhaled.</li> <li>May cause respiratory irritation.</li> <li>Harmful to aquatic life with long lasting effects.</li> </ul>                                                                                                                                                                                                                         |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary statements                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Prevention                                          | : Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.                                                                                                                                                                                        |
| Response                                            | : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call<br>a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off<br>immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Call a<br>POISON CENTER or doctor if you feel unwell. If skin irritation or rash occurs: Get<br>medical advice or attention. IF IN EYES: Rinse cautiously with water for several<br>minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye<br>irritation persists: Get medical advice or attention. |
| Storage                                             | : Store locked up. Store in a well-ventilated place. Keep container tightly closed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Disposal                                            | : Dispose of contents and container in accordance with all local, regional, national and international regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Routes of entry                                     | : Not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Other hazards which do not result in classification | : Prolonged or repeated contact may dry skin and cause irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

# Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

#### CAS number/other identifiers

| CAS number: Not applicable.EC number: Mixture.     |            |                  |           |
|----------------------------------------------------|------------|------------------|-----------|
| Ingredient name                                    | CAS number | Chemical formula | %         |
| <b>W</b> lene                                      | 1330-20-7  | C8-H10           | ≥10 - ≤25 |
| Talc , not containing asbestiform fibres           | 14807-96-6 | H2-03-Si.3/4Mg   | ≥10 - ≤25 |
| n-butyl acetate                                    | 123-86-4   | C6-H12-O2        | ≤10       |
| ethylbenzene                                       | 100-41-4   | C8-H10           | ≤5        |
| Octadecanamide, N,N'-1,6-hexanediylbis[12-hydroxy- | 55349-01-4 | C42H84N2O4       | ≤3        |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate    | 41556-26-7 | C30H56N2O4       | ≤0.3      |

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SUB codes represent substances without registered CAS Numbers.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

| Description of necessar | r <u>y first aid measures</u>                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact             | : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.                                                                  |
| Inhalation              | <ul> <li>Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is<br/>irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by<br/>trained personnel.</li> </ul> |
| Skin contact            | : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.                                                                       |
| Ingestion               | : If swallowed, seek medical advice immediately and show this container or label.<br>Keep person warm and at rest. Do NOT induce vomiting.                                                                                 |
| Most important sympto   | ms/effects, acute and delayed                                                                                                                                                                                              |
| Potential acute health  | <u>effects</u>                                                                                                                                                                                                             |
| Eye contact             | : Causes serious eye irritation.                                                                                                                                                                                           |
| Inhalation              | : Harmful if inhaled. May cause respiratory irritation.                                                                                                                                                                    |
| Skin contact            | : May be harmful in contact with skin. Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.                                                                                                 |
| Ingestion               | : No known significant effects or critical hazards.                                                                                                                                                                        |
| Over-exposure signs/s   | symptoms                                                                                                                                                                                                                   |
| Eye contact             | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness                                                                                                                                 |
| Inhalation              | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing                                                                                                                                  |
| Skin contact            | : Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking                                                                                                                              |
| Ingestion               | : No specific data.                                                                                                                                                                                                        |

|                            | 100 | rational and opportant a california in the coording                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes to physician         | 1   | In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br>The exposed person may need to be kept under medical surveillance for 48 hours.                                                                                                                                                                                                                            |
| Specific treatments        | :   | No specific treatment.                                                                                                                                                                                                                                                                                                                                                                            |
| Protection of first-aiders | :   | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

| Extinguishing media                               |   |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                      | : | Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.                                                                                                                                                                                                                                                                                                                                                                  |
| Unsuitable extinguishing media                    | : | Do not use water jet.                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specific hazards arising from the chemical        | : | Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.<br>In a fire or if heated, a pressure increase will occur and the container may burst, with<br>the risk of a subsequent explosion. This material is harmful to aquatic life with long<br>lasting effects. Fire water contaminated with this material must be contained and<br>prevented from being discharged to any waterway, sewer or drain. |
| Hazardous thermal decomposition products          | : | Decomposition products may include the following materials:<br>carbon oxides<br>nitrogen oxides<br>sulfur oxides<br>metal oxide/oxides                                                                                                                                                                                                                                                                                          |
| Special protective actions<br>for fire-fighters   | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.                                                                                                              |
| Special protective<br>equipment for fire-fighters | : | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                                                                                                                                                                                                                                                             |

# Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

| For non-emergency<br>personnel | : | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Shut off all ignition sources.<br>No flares, smoking or flames in hazard area. Avoid breathing vapor or mist.<br>Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>inadequate. Put on appropriate personal protective equipment. |
|--------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For emergency responders       | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".                                                                                                                                                                                                                                                                                     |
| Environmental precautions      | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.                                                                                                                                                                          |

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Section 6. Accidental release measures

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

| Precautions for safe handling                                      | L |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective measures                                                | : | Fut on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| Advice on general occupational hygiene                             | : | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Conditions for safe storage,<br>including any<br>incompatibilities | : | Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.                                                                                                                                                                                                                                |

### Section 8. Exposure controls/personal protection

#### **Control parameters**

| Ministry of Health (Viet Nam, 6/2019)                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [xylene]<br>TWA 8 hours: 100 mg/m <sup>3</sup> .<br>STEL 15 minutes: 300 mg/m <sup>3</sup> .<br>Ministry of Health (Viet Nam, 6/2019)<br>TWA 8 hours: 3 mg/m <sup>3</sup> . Form: inhalable<br>dust.<br>TWA 8 hours: 1 mg/m <sup>3</sup> . Form: respirable |
|                                                                                                                                                                                                                                                             |

# Section 8. Exposure controls/personal protection

| n-butyl acetate                   |            | c                                                                                                                                                                          | dust.<br>TWA 8 hours: 2 mg/m³. Form: total dust<br>concentration.<br><b>Ministry of Health (Viet Nam, 6/2019)</b><br>TWA 8 hours: 500 mg/m³. |
|-----------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ethylbenzene                      |            |                                                                                                                                                                            | STEL 15 minutes: 700 mg/m³.<br>ACGIH TLV (United States, 7/2023)<br>Ototoxicant.<br>TWA 8 hours: 20 ppm.                                     |
| Recommended monitoring procedures | :          | Reference should be made to appropria<br>national guidance documents for metho<br>substances will also be required.                                                        | ate monitoring standards. Reference to<br>ods for the determination of hazardous                                                             |
| Appropriate engineering controls  | :          |                                                                                                                                                                            | to keep worker exposure to airborne<br>l or statutory limits. The engineering controls<br>oncentrations below any lower explosive            |
| Environmental exposure controls   | :          |                                                                                                                                                                            |                                                                                                                                              |
| Individual protection measur      | <u>'es</u> |                                                                                                                                                                            |                                                                                                                                              |
| Hygiene measures                  | :          | eating, smoking and using the lavatory a<br>Appropriate techniques should be used<br>Contaminated work clothing should not                                                 | to remove potentially contaminated clothing.<br>be allowed out of the workplace. Wash<br>Ensure that eyewash stations and safety             |
| Eye/face protection               | :          | Chemical splash goggles.                                                                                                                                                   |                                                                                                                                              |
| Skin protection                   |            |                                                                                                                                                                            |                                                                                                                                              |
| Hand protection                   | :          | be worn at all times when handling cher<br>this is necessary. Considering the para<br>check during use that the gloves are sti<br>should be noted that the time to breakth | ers. In the case of mixtures, consisting of                                                                                                  |
| Gloves                            | :          | butyl rubber                                                                                                                                                               |                                                                                                                                              |
| Body protection                   | :          | being performed and the risks involved                                                                                                                                     |                                                                                                                                              |
| Other skin protection             | :          | Appropriate footwear and any additiona<br>selected based on the task being perfor<br>approved by a specialist before handling                                              | rmed and the risks involved and should be                                                                                                    |

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# Section 8. Exposure controls/personal protection

| Descriveters, protection | . Descriptor selection must be based on known or entiringted evenesus lought the                                                                                                          |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory protection   | <ul> <li>Respirator selection must be based on known or anticipated exposure levels, the<br/>hazards of the product and the safe working limits of the selected respirator. If</li> </ul> |
|                          | workers are exposed to concentrations above the exposure limit, they must use                                                                                                             |
|                          | appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed                                                                                                       |
|                          | respirator complying with an approved standard if a risk assessment indicates this is                                                                                                     |
|                          | necessary.                                                                                                                                                                                |

# Section 9. Physical and chemical properties

| <u>Appearance</u>                            |   |                                                                                 |                       |
|----------------------------------------------|---|---------------------------------------------------------------------------------|-----------------------|
| Physical state                               | : | Liquid.                                                                         |                       |
| Color                                        | : | Black.                                                                          |                       |
| Odor                                         | : | Not available.                                                                  |                       |
| Odor threshold                               | : | Not available.                                                                  |                       |
| рН                                           | : | Not applicable.                                                                 |                       |
| Melting point                                | : | Not available.                                                                  |                       |
| Boiling point                                | : | >37.78°C (>100°F)                                                               |                       |
| Flash point                                  | : | Closed cup: 25°C (77°F)                                                         |                       |
| Evaporation rate                             | : | Not available.                                                                  |                       |
| Flammability (solid, gas)                    | : | Not available.                                                                  |                       |
| Lower and upper explosive (flammable) limits | 1 | Not available.                                                                  |                       |
| Vapor pressure                               | : | Not available.                                                                  |                       |
| Vapor density                                | : | Not available.                                                                  |                       |
| Relative density                             | 1 | 1.31                                                                            |                       |
| Solubility(ies)                              |   | Media                                                                           | Result                |
| , (···)                                      |   | cold water                                                                      | Not soluble           |
| Partition coefficient: n-<br>octanol/water   | : | Not applicable.                                                                 |                       |
| Auto-ignition temperature                    | : | Not available.                                                                  |                       |
| Decomposition temperature                    | : | Not available.                                                                  |                       |
| Viscosity                                    | : | Øynamic (room temperatu<br>Kinematic (room temperat<br>Kinematic (40°C): >21 mm | ture): Not available. |

# Section 10. Stability and reactivity

| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|----------------------------------------------------------------------------------------------|
| Chemical stability                 | : The product is stable.                                                                     |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.            |
| Conditions to avoid                | : When exposed to high temperatures may produce hazardous decomposition products.            |

Product name SIGMADUR 550 BASE BLACK 8000

# Section 10. Stability and reactivity

| Incompatible materials  | : | Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids. |
|-------------------------|---|--------------------------------------------------------------------------------------------------------------------------------|
| Hererdous decomposition |   | Depending on conditions, decomposition products may include the following                                                      |

Hazardous decomposition products : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides metal oxide/oxides

# Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                             | Result                | Species | Dose         | Exposure |
|-----------------------------------------------------|-----------------------|---------|--------------|----------|
| <b>x</b> ylene                                      | LD50 Dermal           | Rabbit  | 1.7 g/kg     | -        |
| -                                                   | LD50 Oral             | Rat     | 4.3 g/kg     | -        |
| n-butyl acetate                                     | LC50 Inhalation Vapor | Rat     | >21.1 mg/l   | 4 hours  |
|                                                     | LC50 Inhalation Vapor | Rat     | 2000 ppm     | 4 hours  |
|                                                     | LD50 Dermal           | Rabbit  | >17600 mg/kg | -        |
|                                                     | LD50 Oral             | Rat     | 10.768 g/kg  | -        |
| ethylbenzene                                        | LC50 Inhalation Vapor | Rat     | 17.8 mg/l    | 4 hours  |
| -                                                   | LD50 Dermal           | Rabbit  | 17.8 g/kg    | -        |
|                                                     | LD50 Oral             | Rat     | 3.5 g/kg     | -        |
| bis(1,2,2,6,6-pentamethyl-<br>4-piperidyl) sebacate | LD50 Oral             | Rat     | 3.125 g/kg   | -        |

#### Conclusion/Summary Irritation/Corrosion

: There are no data available on the mixture itself.

| Product/ingredient name | Result                   | Species | Score | Exposure           | Observation |
|-------------------------|--------------------------|---------|-------|--------------------|-------------|
| <b>x</b> ylene          | Skin - Moderate irritant | Rabbit  |       | 24 hours 500<br>mg | -           |

| Conclusion/Summary            |                                                      |
|-------------------------------|------------------------------------------------------|
| Skin                          | : There are no data available on the mixture itself. |
| Eyes                          | : There are no data available on the mixture itself. |
| Respiratory                   | : There are no data available on the mixture itself. |
| Sensitization                 |                                                      |
| Skin                          | : There are no data available on the mixture itself. |
| Respiratory                   | : There are no data available on the mixture itself. |
| Mutagenicity                  |                                                      |
| Conclusion/Summary            | : There are no data available on the mixture itself. |
| Carcinogenicity               |                                                      |
| <b>Conclusion/Summary</b>     | : There are no data available on the mixture itself. |
| Reproductive toxicity         |                                                      |
| <b>Conclusion/Summary</b>     | : There are no data available on the mixture itself. |
| Teratogenicity                |                                                      |
| <b>Conclusion/Summary</b>     | : There are no data available on the mixture itself. |
| Specific target organ toxicit | <u>y (single exposure)</u>                           |

# Section 11. Toxicological information

| Name                                     | Category   | Route of exposure | Target organs                |
|------------------------------------------|------------|-------------------|------------------------------|
| ylene                                    | Category 3 | -                 | Respiratory tract irritation |
| Talc , not containing asbestiform fibres | Category 3 | -                 | Respiratory tract irritation |
| n-butyl acetate                          | Category 3 | -                 | Narcotic effects             |

| Name         |            | Route of<br>exposure | Target organs  |
|--------------|------------|----------------------|----------------|
| ethylbenzene | Category 2 | -                    | hearing organs |

#### Aspiration hazard

| Name | Result                                                           |
|------|------------------------------------------------------------------|
|      | ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1 |

| Information on the likely routes of exposure    | :   | Not available.                                                                                                              |
|-------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------|
| Potential acute health effects                  | 2   |                                                                                                                             |
| Eye contact                                     | 1   | Causes serious eye irritation.                                                                                              |
| Inhalation                                      | :   | Harmful if inhaled. May cause respiratory irritation.                                                                       |
| Skin contact                                    | :   | May be harmful in contact with skin. Causes skin irritation. Defatting to the skin.<br>May cause an allergic skin reaction. |
| Ingestion                                       | 1   | No known significant effects or critical hazards.                                                                           |
| Symptoms related to the phy                     | sic | cal, chemical and toxicological characteristics                                                                             |
| Eye contact                                     | :   | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness                                    |
| Inhalation                                      | :   | Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing                                     |
| Skin contact                                    | :   | Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking                                 |
| Ingestion                                       | :   | No specific data.                                                                                                           |
| Delayed and immediate effect                    | ts  | and also chronic effects from short and long term exposure                                                                  |
| Short term exposure                             |     |                                                                                                                             |
| Potential immediate effects                     | :   | There are no data available on the mixture itself.                                                                          |
| Potential delayed effects<br>Long term exposure | :   | There are no data available on the mixture itself.                                                                          |

## Section 11. Toxicological information

| Potential immediate<br>effects | :          | There are no data available on the mixture itself.                                                                                                                                                              |
|--------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potential delayed effects      | :          | There are no data available on the mixture itself.                                                                                                                                                              |
| Potential chronic health effe  | <u>ect</u> | <u>S</u>                                                                                                                                                                                                        |
| General                        | :          | Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/<br>or dermatitis. Once sensitized, a severe allergic reaction may occur when<br>subsequently exposed to very low levels. |
| Carcinogenicity                | :          | No known significant effects or critical hazards.                                                                                                                                                               |
| Mutagenicity                   | :          | No known significant effects or critical hazards.                                                                                                                                                               |
| Reproductive toxicity          | :          | No known significant effects or critical hazards.                                                                                                                                                               |

#### Numerical measures of toxicity

#### Acute toxicity estimates

| Route                        | ATE value      |
|------------------------------|----------------|
| Øral                         | 10808.88 mg/kg |
| Dermal                       | 4373.59 mg/kg  |
| Inhalation (vapors)          | 25.49 mg/l     |
| Inhalation (dusts and mists) | 3.28 mg/l      |

#### Other information

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

# Section 12. Ecological information

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#### <u>Toxicity</u>

| Product/ingredient name         | Result                                                                                   | Species                                                | Exposure                  |
|---------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------|
| r butyl acetate<br>ethylbenzene | Acute LC50 18 mg/l<br>Acute EC50 1.8 mg/l Fresh water<br>Chronic NOEC 1 mg/l Fresh water | Fish<br>Daphnia<br>Daphnia - <i>Ceriodaphnia dubia</i> | 96 hours<br>48 hours<br>- |

#### Persistence and degradability

| Product/ingredient name                   | Test                  | Result     |                | Dose |                               | Inoculum         |  |
|-------------------------------------------|-----------------------|------------|----------------|------|-------------------------------|------------------|--|
| <b>p</b> -butyl acetate                   | TEPA and<br>OECD 301D |            | dily - 28 days | -    |                               | -                |  |
| ethylbenzene                              | -                     | 79 % - Rea | dily - 10 days | -    |                               | -                |  |
| Product/ingredient name                   | Aquatic half-life     |            | Photolysis     |      | Biodeg                        | Biodegradability |  |
| kylene<br>n-butyl acetate<br>ethylbenzene | -<br>-<br>-           |            | -<br>-         |      | Readily<br>Readily<br>Readily | ,                |  |

#### **Bioaccumulative potential**

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|----------|-------------|
|----------|-------------|

## Section 12. Ecological information

| Product/ingredient name | LogPow | BCF         | Potential |
|-------------------------|--------|-------------|-----------|
| ₩ylene                  | 3.12   | 7.4 to 18.5 | Low       |
| n-butyl acetate         | 2.3    | -           | Low       |
| ethylbenzene            | 3.6    | 79.43       | Low       |

#### **Mobility in soil**

| Soil/water partition | : Not available. |
|----------------------|------------------|
| coefficient (Koc)    |                  |

Other adverse effects : No known significant effects or critical hazards.

### Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

|                                | UN              | IMDG            | ΙΑΤΑ            |
|--------------------------------|-----------------|-----------------|-----------------|
| UN number                      | UN1263          | UN1263          | UN1263          |
| UN proper<br>shipping name     | PAINT           | PAINT           | PAINT           |
| Transport hazard<br>class(es)  | 3               | 3               | 3               |
| Packing group                  | III             | III             | III             |
| Environmental<br>hazards       | No.             | No.             | No.             |
| Marine pollutant<br>substances | Not applicable. | Not applicable. | Not applicable. |

#### **Additional information**

- UN : None identified. IMDG : None identified.
- ΙΑΤΑ : None identified.

Product name SIGMADUR 550 BASE BLACK 8000

### Section 14. Transport information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

# Section 15. Regulatory information

Safety, health and environmental regulations specific for the product

: No known specific national and/or regional regulations applicable to this product (including its ingredients).

#### Circular no. 05/1999/TT-BYT

| Ingredient name        | Category   | Notes |  |
|------------------------|------------|-------|--|
| xylene                 | Category 2 |       |  |
| benzene                | Category 1 |       |  |
| toluene                | Category 2 |       |  |
| 1,4-dioxane            | Category 2 |       |  |
| chloromethane          | Category 2 |       |  |
| Formaldehyde, solution | Category 2 |       |  |
| ethylene oxide         | Category 2 |       |  |

#### Toxic classification (TCVN : 4

3164-79)

#### **International regulations**

#### **Montreal Protocol**

Not listed.

#### **Stockholm Convention on Persistent Organic Pollutants**

Not listed.

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# Section 16. Other information

| <u>History</u>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date of issue/Date of revision | : 23 October 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Date of previous issue         | : 9/27/2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Version                        | : 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Prepared by                    | : EHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Key to abbreviations           | <ul> <li>ATE = Acute Toxicity Estimate<br/>BCF = Bioconcentration Factor<br/>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br/>IATA = International Air Transport Association<br/>IBC = Internediate Bulk Container<br/>IMDG = International Maritime Dangerous Goods<br/>LogPow = logarithm of the octanol/water partition coefficient<br/>MARPOL = International Convention for the Prevention of Pollution From Ships,<br/>1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br/>UN = United Nations</li> </ul> |
| References                     | : Not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

#### Indicates information that has changed from previously issued version.

# Section 16. Other information

#### Notice to reader

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.