SAFETY DATA SHEET

Date of issue/Date of revision 6 February 2024

Version5

Section 1. Identification

| Product code | : 00384424 |
|----------------------------------|---|
| Product name | : SIGMADUR 550 BASE REDBROWN VN2740-69 |
| Other means of identification | : Not available. |
| Product type | : Liquid. |
| Relevant identified uses | of the substance or mixture and uses advised against |
| Product use | : Coating. Professional applications, Used by spraying. |
| Uses advised against | : Product is not intended, labelled or packaged for consumer use. |
| Supplier's details | : PT PPG Coatings Indonesia JI. Rawagelam III No.1 13930 Jakarta Indonesia Tel +62 21 4605710 PMC.Safety@PPG.com |
| Emergency telephone number | : CHEMTREC 001-803-017-9114 (CCN 17704) |

Section 2. Hazards identification

| Classification of the substance or mixture | AMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 3 Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 35.1% |
|--|---|
| | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 33.9% |

GHS label elements, including precautionary statements

ŝ

Hazard pictograms



Signal word

: Warning

Date of issue 6 February 2024 Version 5

Product name SIGMADUR 550 BASE REDBROWN VN2740-69

Section 2. Hazards identification

| Hazard statements | : | Fammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. |
|----------------------------|---|---|
| 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 explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling. |
| Response | : | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. |
| Storage | : | Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. |
| Disposal | : | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Other hazards which do not | : | Prolonged or repeated contact may dry skin and cause irritation. |

result in classification

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

CAS number/other identifiers

| CAS number | : Not applicable. |
|------------|-------------------|
| EC number | : Mixture. |

| Ingredient name | % | CAS number |
|---|-----------|------------|
| xylene | 20- <25 | 1330-20-7 |
| n-butyl acetate | 5- <10 | 123-86-4 |
| ethylbenzene | 3- <5 | 100-41-4 |
| Talc , not containing asbestiform fibres | 1- <3 | 14807-96-6 |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | 0.1- <0.3 | 41556-26-7 |
| toluene | 0.1- <0.3 | 108-88-3 |

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.

Product name SIGMADUR 550 BASE REDBROWN VN2740-69

Section 4. First aid measures

| Description of necess | ary first aid measures |
|--|--|
| 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 | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| 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. Keep person warm and at rest. Do NOT induce vomiting. |
| Most important symp Potential acute healt | toms/effects, acute and delayed h effects |

| — |
|---|
| : Causes serious eye irritation. |
| : Harmful if inhaled. May cause respiratory irritation. |
| : Causes skin irritation. Defatting to the skin. |
| : No known significant effects or critical hazards. |
| <u>oms</u> |
| : Adverse symptoms may include the following: pain or irritation watering redness |
| : Adverse symptoms may include the following: respiratory tract irritation coughing |
| : Adverse symptoms may include the following: irritation redness dryness cracking |
| : No specific data. |
| |

Indication of immediate medical attention and special treatment needed, if necessary

| Notes to physician | n case of inhalation of decomposition products in a fire, sympto The exposed person may need to be kept under medical surveil | |
|----------------------------|--|-------------------|
| Specific treatments | lo specific treatment. | |
| Protection of first-aiders | To action shall be taken involving any personal risk or without su s suspected that fumes are still present, the rescuer should wea nask or self-contained breathing apparatus. It may be dangero providing aid to give mouth-to-mouth resuscitation. | ar an appropriate |

See toxicological information (Section 11)

Date of issue 6 February 2024 Version 5

Product name SIGMADUR 550 BASE REDBROWN VN2740-69

Section 5. Fire-fighting measures

| Extinguishing media | |
|---|---|
| Suitable extinguishing media | : Use dry chemical, CO ₂ , water spray (fog) or foam. |
| Unsuitable extinguishing media | : Do not use water jet. |
| Specific hazards arising from the chemical | : Ammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides |
| Special protective actions 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 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, protect | tiv | e equipment and emergency procedures |
|--------------------------------|-----|---|
| For non-emergency personnel | - | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is 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 co | nt | ainment 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. |

Product name SIGMADUR 550 BASE REDBROWN VN2740-69

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 non-combustible, 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

| Protective measures | E Vit on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. 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, including any 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

| Occupational | exposure | limits |
|--------------|----------|--------|
| occupational | CAPOSUIC | |

| Ingredient name | Exposure limits |
|-----------------|---|
| x ylene | Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018). [Xylene (o, |
| | m,p-isomers)] |
| | TWA: 434 mg/m ³ 8 hours. |
| | TWA: 100 BDS 8 hours. |
| | STEL: 651 mg/m ³ 15 minutes. |
| | STEL: 150 BDS 15 minutes. |
| | Ministry of Employment and Labor |

Product name SIGMADUR 550 BASE REDBROWN VN2740-69

Section 8. Exposure controls/personal protection

| | | - |
|---|--|--|
| | | (Indonesia, 2/1997). STEL: 651 mg/m ³ 15 minutes. |
| | | STEL: 150 BDS 15 minutes. |
| n-butyl acetate | | Minister of Labor of the Republic of |
| | | Indonesia (Indonesia, 4/2018). |
| | | TWA: 50 BDS 8 hours. |
| | | STEL: 150 BDS 15 minutes. |
| | | Ministry of Employment and Labor |
| | | (Indonesia, 2/1997). |
| | | STEL: 950 mg/m ³ 15 minutes. |
| | | STEL: 200 BDS 15 minutes. |
| ethylbenzene | | Minister of Labor of the Republic of |
| | | Indonesia (Indonesia, 4/2018). |
| | | TWA: 20 BDS 8 hours. |
| | | Ministry of Employment and Labor |
| | | (Indonesia, 2/1997). |
| | | STEL: 543 mg/m ³ 15 minutes. |
| | | STEL: 125 BDS 15 minutes. |
| Talc , not containing asbestiforr | n fibres | Minister of Labor of the Republic of |
| | | Indonesia (Indonesia, 4/2018). |
| | | TWA: 2 mg/m ³ 8 hours. Form: respirable |
| | | particles |
| toluene | | Minister of Labor of the Republic of |
| | | Indonesia (Indonesia, 4/2018). |
| | | TWA: 20 BDS 8 hours. |
| Recommended monitoring : | | |
| procedures | | riate monitoring standards. Reference to hods for the determination of hazardous |
| procedures | national guidance documents for met substances will also be required. Use only with adequate ventilation. U ventilation or other engineering contro contaminants below any recommende also need to keep gas, vapor or dust | hods for the determination of hazardous lse process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive |
| procedures Appropriate engineering : controls | national guidance documents for met substances will also be required. Use only with adequate ventilation. Use ventilation or other engineering contro- contaminants below any recommender also need to keep gas, vapor or dust limits. Use explosion-proof ventilation | hods for the determination of hazardous lse process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive n equipment. |
| procedures Appropriate engineering : controls | national guidance documents for met substances will also be required. Use only with adequate ventilation. Use ventilation or other engineering contro- contaminants below any recommender also need to keep gas, vapor or dust limits. Use explosion-proof ventilation Emissions from ventilation or work pro- | hods for the determination of hazardous lse process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive n equipment. ocess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process |
| procedures Appropriate engineering : controls Environmental exposure : Individual protection measures | national guidance documents for met substances will also be required. Use only with adequate ventilation. U ventilation or other engineering contro contaminants below any recommende also need to keep gas, vapor or dust limits. Use explosion-proof ventilation Emissions from ventilation or work pro- they comply with the requirements of cases, fume scrubbers, filters or engine equipment will be necessary to reduc | hods for the determination of hazardous lse process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive n equipment. ocess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process e emissions to acceptable levels. |
| procedures Appropriate engineering : controls Environmental exposure : Individual protection measures | national guidance documents for met substances will also be required. Use only with adequate ventilation. Use ventilation or other engineering contro- contaminants below any recommender also need to keep gas, vapor or dust limits. Use explosion-proof ventilation Emissions from ventilation or work pro- they comply with the requirements of cases, fume scrubbers, filters or engine equipment will be necessary to reduct Wash hands, forearms and face thore | hods for the determination of hazardous Use process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive in equipment. occess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process e emissions to acceptable levels. |
| procedures Appropriate engineering : controls Environmental exposure : Individual protection measures | national guidance documents for met substances will also be required. Use only with adequate ventilation. Use ventilation or other engineering contro- contaminants below any recommende also need to keep gas, vapor or dust limits. Use explosion-proof ventilation Emissions from ventilation or work pro- they comply with the requirements of cases, fume scrubbers, filters or engi- equipment will be necessary to reduce Wash hands, forearms and face thore eating, smoking and using the lavator Appropriate techniques should be use | hods for the determination of hazardous Use process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive in equipment. ocess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process e emissions to acceptable levels. |
| procedures Appropriate engineering : controls Environmental exposure : controls Individual protection measures Hygiene measures : | national guidance documents for met substances will also be required. Use only with adequate ventilation. Use ventilation or other engineering contro- contaminants below any recommende also need to keep gas, vapor or dust limits. Use explosion-proof ventilation Emissions from ventilation or work pri- they comply with the requirements of cases, fume scrubbers, filters or engi- equipment will be necessary to reduct Wash hands, forearms and face thore eating, smoking and using the lavator Appropriate techniques should be use Wash contaminated clothing before re- safety showers are close to the works | hods for the determination of hazardous Use process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive in equipment. ocess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process e emissions to acceptable levels. |
| procedures Appropriate engineering controls Environmental exposure controls Individual protection measures Hygiene measures Eye/face protection | national guidance documents for met substances will also be required. Use only with adequate ventilation. U ventilation or other engineering contro- contaminants below any recommende also need to keep gas, vapor or dust limits. Use explosion-proof ventilation Emissions from ventilation or work pro- they comply with the requirements of cases, fume scrubbers, filters or engi- equipment will be necessary to reduce Wash hands, forearms and face thoro appropriate techniques should be use Wash contaminated clothing before re- | hods for the determination of hazardous Use process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive in equipment. ocess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process e emissions to acceptable levels. |
| procedures Appropriate engineering : controls Environmental exposure : controls Individual protection measures Hygiene measures : | national guidance documents for met substances will also be required. Use only with adequate ventilation. Use ventilation or other engineering contro- contaminants below any recommende also need to keep gas, vapor or dust limits. Use explosion-proof ventilation Emissions from ventilation or work pri- they comply with the requirements of cases, fume scrubbers, filters or engi- equipment will be necessary to reduct Wash hands, forearms and face thore eating, smoking and using the lavator Appropriate techniques should be use Wash contaminated clothing before re- safety showers are close to the works | hods for the determination of hazardous Use process enclosures, local exhaust ols to keep worker exposure to airborne ed or statutory limits. The engineering controls concentrations below any lower explosive in equipment. ocess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process e emissions to acceptable levels. |

Product name SIGMADUR 550 BASE REDBROWN VN2740-69

Section 8. Exposure controls/personal protection

| Hand protection | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately |
|------------------------|---|
| | estimated. |
| Gloves | : For prolonged or repeated handling, use the following type of gloves: |
| | Recommended: neoprene, natural rubber (latex), polyvinyl alcohol (PVA), Viton® May be used: butyl rubber Not recommended: nitrile rubber |
| Body protection | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. |
| Other skin protection | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection | : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If 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 | : Brownish-red. |
| Odor | : Characteristic. |
| Odor threshold | : Not available. |
| рН | : Not applicable. |
| Melting point | : Not available. |
| Boiling point | : >37.78°C (>100°F) |
| Flash point | : Closed cup: 24°C (75.2°F) |
| Evaporation rate | : Not available. |
| Flammability/Combustible properties (solid, gas) | : Not available. |
| Lower and upper explosive (flammable) limits | : Greatest known range: Lower: 1.4% Upper: 7.6% (n-butyl acetate) |
| Vapor pressure | : Not available. |
| Vapor density | : Not available. |
| Relative density | : 1.34 |

Version 5

Section 9. Physical and chemical properties

| Solubility(ies) | | Media Result |
|--|---|-----------------------------|
| Solubility(les) | Ċ | old water Not soluble |
| Partition coefficient: n- octanol/water | : | Not applicable. |
| Auto-ignition temperature | : | Not available. |
| Decomposition temperature | : | Not available. |
| Viscosity | : | Kinematic (40°C): >21 mm²/s |

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. |
| Incompatible materials | : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids. |
| Hazardous decomposition products | : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides |

Section 11. Toxicological information

Information on toxicological effects

| Acut | <u>e tox</u> | icity |
|------|--------------|-------|
| | | |

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|-----------------------|---------|--------------|----------|
| xylene | 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- 4-piperidyl) sebacate | LD50 Oral | Rat | 3.125 g/kg | - |
| toluene | LC50 Inhalation Vapor | Rat | 49 g/m³ | 4 hours |
| | LD50 Dermal | Rabbit | 8.39 g/kg | - |
| | LD50 Oral | Rat | 5580 mg/kg | - |

Conclusion/Summary Irritation/Corrosion

: There are no data available on the mixture itself.

Indonesia

Date of issue 6 February 2024 Vers

Version 5

Section 11. Toxicological information

Product name SIGMADUR 550 BASE REDBROWN VN2740-69

| | • | | | | |
|-----------------------------|------------------------------|-----------------|----------------|--------------|-------------|
| Product/ingredient name | Result | Species | Score | Exposure | Observation |
| x ylene | Skin - Moderate irritant | Rabbit | - | 24 hours 500 | - |
| | | | | mg | |
| Conclusion/Summary | | | | | |
| Skin | : There are no data ava | ilable on the m | ixture itself. | | |
| Eyes | : There are no data ava | ilable on the m | ixture itself. | | |
| Respiratory | : There are no data ava | ilable on the m | ixture itself. | | |
| Sensitization | | | | | |
| Conclusion/Summary | | | | | |
| Skin | : There are no data ava | ilable on the m | ixture itself. | | |
| Respiratory | : There are no data ava | ilable on the m | ixture itself. | | |
| <u>Mutagenicity</u> | | | | | |
| Conclusion/Summary | : There are no data ava | ilable on the m | ixture itself. | | |
| Carcinogenicity | | | | | |
| Conclusion/Summary | : There are no data ava | ilable on the m | ixture itself. | | |
| Reproductive toxicity | | | | | |
| Conclusion/Summary | : There are no data ava | ilable on the m | ixture itself. | | |
| Teratogenicity | | | | | |
| Conclusion/Summary | : There are no data ava | ilable on the m | ixture itself. | | |
| Specific target organ toxic | <u>ity (single exposure)</u> | | | | |

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

Specific target organ toxicity (repeated exposure)

| Name | | Route of exposure | Target organs |
|------|--------------------------|-------------------|---------------------|
| | Category 2 Category 2 | - | hearing organs - |

Aspiration hazard

| Name | Result |
|--------------|--|
| ethylbenzene | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |

| Information on the likely routes of exposure | 1 | Not available. | | |
|--|---|---|-----------|-------------------------|
| Potential acute health effects | 2 | | | |
| Eye contact | : | Causes serious eye irritation. | | |
| Inhalation | : | Harmful if inhaled. May cause respiratory irritation. | | |
| Skin contact | : | Causes skin irritation. Defatting to the skin. | | |
| | | | Indonesia | [;] Page: 9/13 |

Date of issue 6 February 2024 Version 5

Product name SIGMADUR 550 BASE REDBROWN VN2740-69

Section 11. Toxicological information

Ingestion

: No known significant effects or critical hazards.

| Symptoms related to the ph | ysical, chemical and toxicological characteristics |
|----------------------------|---|
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing |
| Skin contact | : Adverse symptoms may include the following: irritation redness dryness cracking |
| Ingestion | : No specific data. |

Delayed and immediate effects 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 | : There are no data available on the mixture itself. |
| <u>Long term exposure</u> | |
| Potential immediate 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 eff | f <u>ects</u> |
| General | Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis. |
| 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 |
|------------------------------|---------------|
| ☑ermal | 7131.07 mg/kg |
| Inhalation (vapors) | 26.98 mg/l |
| Inhalation (dusts and mists) | 3.47 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

Toxicity

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

Persistence/degradability

Not available.

| Product/ingredient name | Test | Result | | Dose | Inoculum |
|-------------------------|-----------------------|-----------------------|------------|------|------------------|
| -butyl acetate | TEPA and OECD 301D | 83 % - Readily - 28 d | days | - | - |
| ethylbenzene | - | 79 % - Readily - 10 c | days | - | - |
| Product/ingredient name | Aquatic half-life | | Photolysis | 5 | Biodegradability |
| xylene | - | | - | | Readily |
| n-butyl acetate | - | | - | | Readily |
| ethylbenzene | - | | - | | Readily |
| toluene | - | 1 | - | | Readily |

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-------------|-----------|
| xylene | 3.12 | 7.4 to 18.5 | Low |
| n-butyl acetate | 2.3 | - | Low |
| ethylbenzene | 3.6 | 79.43 | Low |
| toluene | 2.73 | 8.32 | Low |

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

: The generation of waste should be avoided or minimized wherever possible. **Disposal methods** 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.

Indonesia Page: 11/13

Version 5

Section 14. Transport information

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

Additional information

- UN: None identified.IMDG: None identified.
- IATA : None identified.
- 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).

Law No. 74/2001 - Banned

None of the components are listed.

Law No. 74/2001 - Restricted

| Ingredient name | Status | |
|-----------------|--------|--|
| Ethylene Oxide | Listed | |

Law No. 74/2001 - : Not determined

Chemicals that may be used

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Section 16. Other information

| <u>History</u> | |
|--------------------------------|---|
| Date of issue/Date of revision | : 6 February 2024 |
| Date of previous issue | : 4/22/2021 |
| Version | : 5 |
| Prepared by | : EHS |
| Key to abbreviations | ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations |

V Indicates information that has changed from previously issued version.

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.