

# SAFETY DATA SHEET

Date of issue/Date of revision

: 7 August 2025

Version

: 6



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : PITT-CHAR NX HARDENER BLACK PF

**Product code** : 000001188973

**Other means of identification**

00444775

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

| Identified uses                                      |
|------------------------------------------------------|
| Professional spray painting, near-industrial setting |

**Product use** : Professional applications, Used by spraying.

**Uses advised against** : Product is not intended, labelled or packaged for consumer use.

### 1.3 Details of the supplier of the safety data sheet

PPG Coatings Belgium BV/SRL

Tweemontstraat 104

B-2100 Deurne

Belgium

Telephone +32-33606311

Fax +32-33606435

**e-mail address of person responsible for this SDS** : Product.Stewardship.EMEA@ppg.com

### 1.4 Emergency telephone number

#### Supplier

+31 20 4075210

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Skin Corr. 1C, H314

Eye Dam. 1, H318

Skin Sens. 1, H317

Carc. 2, H351

Repr. 2, H361f

Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

|                                |                |                                |                 |
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SECTION 2: Hazards identification

2.2 Label elements

|                                                                                                                                    |   |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms                                                                                                                  | : |                                                                                                                                                                     |
| Signal word                                                                                                                        | : | Danger                                                                                                                                                                                                                                                |
| Hazard statements                                                                                                                  | : | Causes severe skin burns and eye damage.<br>May cause an allergic skin reaction.<br>Suspected of causing cancer.<br>Suspected of damaging fertility.<br>Toxic to aquatic life with long lasting effects.                                              |
| <u>Precautionary statements</u>                                                                                                    |   |                                                                                                                                                                                                                                                       |
| Prevention                                                                                                                         | : | Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment.                                                                                                                                             |
| Response                                                                                                                           | : | Collect spillage. IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor.                                                                                                                   |
| Storage                                                                                                                            | : | Not applicable.                                                                                                                                                                                                                                       |
| Disposal                                                                                                                           | : | Dispose of contents and container in accordance with all local, regional, national and international regulations.<br>P280, P273, P391, P304 + P310, P301 + P310, P501                                                                                 |
| Hazardous ingredients                                                                                                              | : | Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer; 1,3,5-triazine-2,4,6-triamine; Cashew, nutshell liq. and 2,4,6-tris(dimethylaminomethyl)phenol |
| Supplemental label elements                                                                                                        | : | Not applicable.                                                                                                                                                                                                                                       |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : | Not applicable.                                                                                                                                                                                                                                       |
| <u>Special packaging requirements</u>                                                                                              |   |                                                                                                                                                                                                                                                       |
| Containers to be fitted with child-resistant fastenings                                                                            | : | Not applicable.                                                                                                                                                                                                                                       |
| Tactile warning of danger                                                                                                          | : | Not applicable.                                                                                                                                                                                                                                       |

2.3 Other hazards

|                                                                                                            |   |                                                                                       |
|------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------|
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII          | : | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Product meets the criteria for endocrine disrupting properties according to Regulation (EC) No. 1907/2006. | : | Based on available data, the classification criteria are not met.                     |

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SECTION 2: Hazards identification

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name                                                                                                                               | Identifiers                                                                           | % by weight | Classification                                                                                                                                                     | Specific Conc. Limits, M-factors and ATEs            | Type |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------|
| Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer | CAS: SUB135919                                                                        | ≥50 - ≤75   | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Chronic 2, H411                                                                          | -                                                    | [1]  |
| 1,3,5-triazine-2,4,6-triamine                                                                                                                         | REACH #:<br>01-2119485947-16<br>EC: 203-615-4<br>CAS: 108-78-1<br>Index: 613-345-00-2 | ≥5.0 - <10  | Carc. 2, H351 (oral)<br>Repr. 2, H361f<br>STOT RE 2, H373 (urinary system)                                                                                         | -                                                    | [1]  |
| Cashew, nutshell liq.                                                                                                                                 | EC: 232-355-4<br>CAS: 8007-24-7                                                       | ≥5.0 - ≤10  | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317                                                          | ATE [Oral] = 500 mg/kg<br>ATE [Dermal] = 1100 mg/kg  | [1]  |
| 2,4,6-tris (dimethylaminomethyl) phenol                                                                                                               | REACH #:<br>01-2119560597-27<br>EC: 202-013-9<br>CAS: 90-72-2                         | ≥5.0 - ≤10  | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br><b>See Section 16 for the full text of the H statements declared above.</b> | ATE [Oral] = 1200 mg/kg<br>ATE [Dermal] = 1280 mg/kg | [1]  |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard  
Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- 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 recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- 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.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes severe burns. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
stomach pains  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| Suitable extinguishing media   | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known.                                                   |

5.2 Special hazards arising from the substance or mixture

|                                       |                                                                                                                                                                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazards from the substance or mixture | : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic 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 combustion products         | : Decomposition products may include the following materials:<br>carbon oxides<br>nitrogen oxides<br>halogenated compounds                                                                                                                                                                |

5.3 Advice for firefighters

|                                                |                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special precautions 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.                                                                                                                                                             |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective 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 spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| For emergency responders    | : If specialised 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".                                                                                                                                                                                        |

6.2 Environmental precautions

|  |                                                                                                                                                                                                                                                                                                                                        |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | : Avoid dispersal of spilt 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. Collect spillage. |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

6.3 Methods and material for containment and cleaning up

|             |                                                                                                                                                                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Small spill | : Stop leak if without risk. Move containers from spill area. 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. |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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SECTION 6: Accidental release measures

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Large spill                     | : Stop leak if without risk. Move containers from spill area. Approach the 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. |
| 6.4 Reference to other sections | : See Section 1 for emergency contact information.<br>See Section 8 for information on appropriate personal protective equipment.<br>See Section 13 for additional waste treatment information.                                                                                                                                                                                                                                                                                                                                                                                 |

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.1 Precautions for safe handling                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Protective measures                                              | : Put 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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 7.2 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 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. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.                                                                                                                                                                                                    |

|                         |                                      |
|-------------------------|--------------------------------------|
| 7.3 Specific end use(s) | See Section 1.2 for Identified uses. |
|-------------------------|--------------------------------------|

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

|                              |                                |
|------------------------------|--------------------------------|
| 8.1 Control parameters       |                                |
| Occupational exposure limits | No exposure limit value known. |

|                                |                |                                |                 |
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SECTION 8: Exposure controls/personal protection

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name                                                                                   | Exposure                                            | Value                          |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------|
| 4,3,5-triazine-2,4,6-triamine<br><br>Cashew, nutshell liq.<br><br>2,4,6-tris (dimethylaminomethyl) phenol | DNEL - General population - Long term - Oral        | Systemic<br>0.42 mg/kg bw/day  |
|                                                                                                           | DNEL - General population - Long term - Inhalation  | Systemic<br>1.5 mg/m³          |
|                                                                                                           | DNEL - General population - Long term - Dermal      | Systemic<br>4.2 mg/kg bw/day   |
|                                                                                                           | DNEL - Workers - Long term - Inhalation             | Systemic<br>8.3 mg/m³          |
|                                                                                                           | DNEL - Workers - Long term - Dermal                 | Systemic<br>11.8 mg/kg bw/day  |
|                                                                                                           | DNEL - Workers - Short term - Inhalation            | Systemic<br>82.3 mg/m³         |
|                                                                                                           | DNEL - Workers - Short term - Dermal                | Systemic<br>117 mg/kg bw/day   |
|                                                                                                           | DNEL - General population - Long term - Oral        | Systemic<br>0.75 mg/kg bw/day  |
|                                                                                                           | DNEL - General population - Long term - Dermal      | Systemic<br>0.75 mg/kg bw/day  |
|                                                                                                           | DNEL - General population - Long term - Inhalation  | Systemic<br>1.31 mg/m³         |
|                                                                                                           | DNEL - Workers - Long term - Dermal                 | Systemic<br>2.1 mg/kg bw/day   |
|                                                                                                           | DNEL - Workers - Long term - Inhalation             | Systemic<br>7.4 mg/m³          |
|                                                                                                           | DNEL - General population - Long term - Oral        | Systemic<br>0.075 mg/kg bw/day |
|                                                                                                           | DNEL - General population - Short term - Dermal     | Systemic<br>0.075 mg/kg bw/day |
|                                                                                                           | DNEL - General population - Long term - Dermal      | Systemic<br>0.075 mg/kg bw/day |
|                                                                                                           | DNEL - General population - Short term - Inhalation | Systemic<br>0.13 mg/m³         |
|                                                                                                           | DNEL - General population - Long term - Inhalation  | Systemic<br>0.13 mg/m³         |
|                                                                                                           | DNEL - Workers - Long term - Dermal                 | Systemic<br>0.15 mg/kg bw/day  |
|                                                                                                           | DNEL - Workers - Long term - Inhalation             | Systemic<br>0.53 mg/m³         |
|                                                                                                           | DNEL - Workers - Short term - Dermal                | Systemic<br>0.6 mg/kg bw/day   |
|                                                                                                           | DNEL - Workers - Short term - Inhalation            | Systemic<br>2.1 mg/m³          |

PNECs

Not available.

8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

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## SECTION 8: Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Chemical splash goggles and face shield. Use eye protection according to EN 166.
- Skin 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. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
- Gloves** : nitrile neoprene
- 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.
- 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. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid.
- Colour** : Black.
- Odour** : Aromatic. [Slight]
- Melting point/freezing point** : Not determined.
- Boiling point or initial boiling point and boiling range** : >37.78°C

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SECTION 9: Physical and chemical properties

Flammability

Lower and upper explosion limit

Flash point

Auto-ignition temperature

Decomposition temperature

pH

Viscosity

Viscosity

Solubility

: Not determined. There are no data available on the mixture itself.

: Not available.

: Closed cup: 120°C

:

| Ingredient name                       | °C  | °F    | Method  |
|---------------------------------------|-----|-------|---------|
| 2,4,6-tris(dimethylaminomethyl)phenol | 382 | 719.6 | EU A.15 |

: Stable under recommended storage and handling conditions (see Section 7).

: Not applicable. insoluble in water.

: Dynamic (room temperature): Not available.  
Kinematic (room temperature): Not available.  
Kinematic (40°C): >21 mm²/s

: > 100 s (ISO 6mm)

:

| Media      | Result      |
|------------|-------------|
| cold water | Not soluble |

: Not applicable.

:

| Ingredient name                         | Vapour Pressure at 20°C |        |        | Vapour pressure at 50°C |     |        |
|-----------------------------------------|-------------------------|--------|--------|-------------------------|-----|--------|
|                                         | mm Hg                   | kPa    | Method | mm Hg                   | kPa | Method |
| 2,4,6-tris (dimethylaminomethyl) phenol | 0.056                   | 0.0075 | EU A.4 |                         |     |        |

: 1.1

Particle characteristics

Median particle size

: Not applicable.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties

Oxidising properties

No additional information.

: The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.

: Product does not present an oxidizing hazard.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

: No specific test data related to reactivity available for this product or its ingredients.

: The product is stable.

: Under normal conditions of storage and use, hazardous reactions will not occur.

: When exposed to high temperatures may produce hazardous decomposition products.  
Refer to protective measures listed in sections 7 and 8.

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SECTION 10: Stability and reactivity

- 10.5 Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
- 10.6 Hazardous decomposition products : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly.
- Causes severe skin burns and eye damage.
- May cause an allergic skin reaction.
- Suspected of damaging fertility. Suspected of damaging the unborn child.
- Suspected of causing cancer.

Acute toxicity

| Product/ingredient name                | Result                                                                                                                                                              | Dose / Exposure       |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1,3,5-triazine-2,4,6-triamine          | Rat - Oral - LD50                                                                                                                                                   | 3161 mg/kg            |
|                                        | Rat - Inhalation - LC50 Dusts and mists                                                                                                                             | >5190 mg/m³ [4 hours] |
| 2,4,6-tris(dimethylaminomethyl) phenol | Rat - Dermal - LD50                                                                                                                                                 | 1280 mg/kg            |
|                                        | Rat - Oral - LD50                                                                                                                                                   | 1200 mg/kg            |
|                                        | <i>Toxic effects:</i> Peripheral Nerve and Sensation - Flaccid paralysis without anesthesia (usually neuromuscular blockage) Lung, Thorax, or Respiration - Dyspnea |                       |

Acute toxicity estimates

| Route  | ATE value     |
|--------|---------------|
| Oral   | 5013.03 mg/kg |
| Dermal | 8683.68 mg/kg |

- Conclusion/Summary : Based on available data, the classification criteria are not met.

Irritation/Corrosion

Conclusion/Summary

- Skin : Causes severe burns.
- Eyes : Causes serious eye damage.
- Respiratory : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Conclusion/Summary

- Skin : May cause an allergic skin reaction.
- Respiratory : Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Suspected of damaging fertility. Suspected of damaging the unborn child.

Specific target organ toxicity (single exposure)

Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

|                                |                |                                |                 |
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SECTION 11: Toxicological information

| Product/ingredient name       | Category   | Route of exposure | Target organs  |
|-------------------------------|------------|-------------------|----------------|
| 1,3,5-triazine-2,4,6-triamine | Category 2 | -                 | urinary system |

**Conclusion/Summary** :  
Based on available data, the classification criteria are not met.

**Aspiration hazard**  
Based on available data, the classification criteria are not met.

**Information on likely routes of exposure** : Not available.

**Potential acute health effects**  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.  
**Skin contact** : Causes severe burns. May cause an allergic skin reaction.  
**Eye contact** : Causes serious eye damage.

**Symptoms related to the physical, chemical and toxicological characteristics**  
**Inhalation** : Adverse symptoms may include the following:  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations  
**Ingestion** : Adverse symptoms may include the following:  
stomach pains  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations  
**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations  
**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**  
**Short term exposure**  
**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.  
**Long term exposure**  
**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.  
**Potential chronic health effects**  
**General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

|                                |                |                                |                 |
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SECTION 11: Toxicological information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carcinogenicity       | : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mutagenicity          | : No known significant effects or critical hazards.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reproductive toxicity | : Suspected of damaging fertility.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Other information     | : 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 vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Exposure to amine vapor has been reported to cause transient corneal edema described as blue haze, halo effect, foggy or blurred vision for several hours. This condition is typically temporary and does not cause permanent visual effects. When the proper eye protection specified in Section 8 is worn, exposure is significantly reduced and the condition has not been observed. |

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

12.1 Toxicity

| Product/ingredient name                                                    | Result       | Species | Dose / Exposure      |
|----------------------------------------------------------------------------|--------------|---------|----------------------|
| 1,3,5-triazine-2,4,6-triamine<br>2,4,6-tris<br>(dimethylaminomethyl)phenol | Acute - EC50 | Daphnia | 200 mg/l [48 hours]  |
|                                                                            | Acute - LC50 | Daphnia | >100 mg/l [48 hours] |
|                                                                            | Acute - LC50 | Fish    | >100 mg/l [96 hours] |

Conclusion/Summary : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

| Product/ingredient name                   | Test                                                      | Result                     | Dose / Inoculum |
|-------------------------------------------|-----------------------------------------------------------|----------------------------|-----------------|
| 2,4,6-tris<br>(dimethylaminomethyl)phenol | OECD [ Ready<br>Biodegradability -<br>Closed Bottle Test] | 4% [28 days] - Not readily |                 |

| Product/ingredient name                   | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------------------------|-------------------|------------|------------------|
| 2,4,6-tris<br>(dimethylaminomethyl)phenol | -                 | -          | Not readily      |

12.3 Bioaccumulative potential

|                                |                |                                |                 |
|--------------------------------|----------------|--------------------------------|-----------------|
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SECTION 12: Ecological information

| Product/ingredient name               | LogP <sub>ow</sub> | BCF | Potential |
|---------------------------------------|--------------------|-----|-----------|
| 1,3,5-triazine-2,4,6-triamine         | -1.22              | 3.8 | Low       |
| Cashew, nutshell liq.                 | >4.78              | -   | High      |
| 2,4,6-tris(dimethylaminomethyl)phenol | 0.219              | -   | Low       |

12.4 Mobility in soil

| Soil/water partition coefficient      |                    |                 |
|---------------------------------------|--------------------|-----------------|
| Product/ingredient name               | logK <sub>oc</sub> | K <sub>oc</sub> |
| 1,3,5-triazine-2,4,6-triamine         | 1.7                | 45.8075         |
| 2,4,6-tris(dimethylaminomethyl)phenol | 2.7                | 525.589         |

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

| Product                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods of disposal            | : The generation of waste should be avoided or minimised 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. |
| Hazardous waste                | :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| European waste catalogue (EWC) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Waste code                     | Waste designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 08 01 11*                      | waste paint and varnish containing organic solvents or other hazardous substances                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Packaging           |                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. |
| Type of packaging   | European waste catalogue (EWC)                                                                                                                                                                     |
| Container           | 15 01 06 mixed packaging                                                                                                                                                                           |

|                                |                |                                |                 |
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SECTION 13: Disposal considerations

**Special precautions** : 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

|                                 | ADR/RID         | ADN             | IMDG                                                                                                                                                    | IATA                                                               |
|---------------------------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 14.1 UN number or ID number     | UN3066          | UN3066          | UN3066                                                                                                                                                  | UN3066                                                             |
| 14.2 UN proper shipping name    | PAINT           | PAINT           | PAINT                                                                                                                                                   | PAINT                                                              |
| 14.3 Transport hazard class(es) | 8               | 8               | 8                                                                                                                                                       | 8                                                                  |
| 14.4 Packing group              | III             | III             | III                                                                                                                                                     | III                                                                |
| 14.5 Environmental hazards      | Yes.            | Yes.            | Yes.                                                                                                                                                    | Yes. The environmentally hazardous substance mark is not required. |
| Marine pollutant substances     | Not applicable. | Not applicable. | (Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer) | Not applicable.                                                    |

Additional information

**ADR/RID** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**Tunnel code** : (E)

**ADN** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

**14.6 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.

**14.7 Maritime transport in bulk according to IMO instruments** : Not applicable.

|                                |                |                                |                 |
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

| Intrinsic property                                                                                                                 | Ingredient name | Status      | Reference number    | Date of revision |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|---------------------|------------------|
|  Substance of equivalent concern for human health | melamine        | Recommended | 12th recommendation | 2/8/2024         |
|                                                                                                                                    | melamine        | Recommended | 12th recommendation | 2/8/2024         |
| Substance of equivalent concern for environment                                                                                    |                 |             |                     |                  |

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name        | Entry Number ( REACH ) |
|--------------------------------|------------------------|
| PITT-CHAR NX HARDENER BLACK PF | 3                      |

Labelling : Not applicable.

Explosive precursors : Not applicable.

Ozone depleting substances (EU 2024/590)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

| Category |
|----------|
| E2       |

15.2 Chemical safety assessment : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
PBT = Persistent, Bioaccumulative and Toxic  
vPvB = Very Persistent and Very Bioaccumulative  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

|                                |                |                                |                 |
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SECTION 16: Other information

IMDG = International Maritime Dangerous Goods  
IATA = International Air Transport Association

Full text of abbreviated H statements

|       |                                                                    |
|-------|--------------------------------------------------------------------|
| H302  | Harmful if swallowed.                                              |
| H312  | Harmful in contact with skin.                                      |
| H314  | Causes severe skin burns and eye damage.                           |
| H315  | Causes skin irritation.                                            |
| H317  | May cause an allergic skin reaction.                               |
| H318  | Causes serious eye damage.                                         |
| H351  | Suspected of causing cancer.                                       |
| H361f | Suspected of damaging fertility.                                   |
| H373  | May cause damage to organs through prolonged or repeated exposure. |
| H411  | Toxic to aquatic life with long lasting effects.                   |

Full text of classifications [CLP/GHS]

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Acute Tox. 4      | ACUTE TOXICITY - Category 4                                     |
| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2                 |
| Carc. 2           | CARCINOGENICITY - Category 2                                    |
| Eye Dam. 1        | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1                  |
| Repr. 2           | REPRODUCTIVE TOXICITY - Category 2                              |
| Skin Corr. 1C     | SKIN CORROSION/IRRITATION - Category 1C                         |
| Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2                          |
| Skin Sens. 1      | SKIN SENSITISATION - Category 1                                 |
| Skin Sens. 1A     | SKIN SENSITISATION - Category 1A                                |
| STOT RE 2         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |

History

|                                 |                 |
|---------------------------------|-----------------|
| Date of issue/ Date of revision | : 7 August 2025 |
| Date of previous issue          | : 28 April 2025 |
| Prepared by                     | : EHS           |
| Version                         | : 6             |

Disclaimer

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 us, 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.

# Safe Use of Mixtures Information for end-users

**Title** : Professional spray painting, near-industrial setting

*This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.*

## General description of the process covered

Indoor spray painting by professionals with efficient ventilation such as spray booth or local exhaust ventilation

**This safe use information is linked to SWED no.** : CEPE\_PW\_01

**Product category(ies)** : Coatings and paints, thinners, paint removers

## Operational conditions

**Place of use** : Indoor use

## Risk management measures (RMM)

| Contributing activity                                                       | Maximum duration  | Ventilation                            |                                       | Respiratory                                                                              | Eye                                     | Hands                                 |
|-----------------------------------------------------------------------------|-------------------|----------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|
|                                                                             |                   | Type                                   | ach (air changes per hour)            |                                                                                          |                                         |                                       |
| Preparation of material for application                                     | More than 4 hours | Enhanced (mechanical) room ventilation | 5 - 10                                | See section 8 of this Safety Data Sheet for specifications.                              | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |
| Loading of application equipment and handling of coated parts before curing | More than 4 hours | Enhanced (mechanical) room ventilation | 5 - 10                                | See section 8 of this Safety Data Sheet for specifications.                              | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |
| Professional application of coatings and inks by spraying                   | More than 4 hours | Local exhaust ventilation              | Refer to relevant technical standards | Wear a respirator conforming to EN140 with an assigned protection factor of at least 10. | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |
| Film formation - force drying, stoving and other technologies               | More than 4 hours | Enhanced (mechanical) room ventilation | 5 - 10                                | See section 8 of this Safety Data Sheet for specifications.                              | None                                    | None                                  |
| Cleaning                                                                    | More than 4 hours | Enhanced (mechanical) room ventilation | 5 - 10                                | See section 8 of this Safety Data Sheet for specifications.                              | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |
| Waste management                                                            | More than 4 hours | Enhanced (mechanical) room ventilation | 5 - 10                                | See section 8 of this Safety Data Sheet for specifications.                              | Use eye protection according to EN 166. | Wear suitable gloves tested to EN374. |

See section 8 of this Safety Data Sheet for specifications.



In case this product contains substances classified as hazardous to the environment, the use has been assessed to be safe for the environment. The assessment is based on the exposure parameters that are described for the product use in the corresponding SPERCs. For the disposal of product residues and waste please refer to section 13 of the Safety Data Sheet.

## Disclaimer

The information in this Safe Use of Mixture Information sheet is based on the data provided by the substance supplier for the substances in the product for which a chemical safety assessment has been carried out at the time of issue. It does not guarantee safe use of the product and does not replace any occupational risk assessment required by legislation. When developing workplace instructions for employees, SUMI sheets should always be considered in combination with the SDS and the label of the product.

No liability is accepted for any damage, no matter of what kind, which is direct or indirect consequence of acts and/or decisions (partly) based on the contents of this document.