

# SAFETY DATA SHEET



Date of issue/Date of revision : 25 October 2023 Version : 1.01

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

### 1.1 Product identifier

**Product name** : PSX 892 HS ALUMINUM RESIN  
**Product code** : 00281501  
**Product description** :  
**Product type** : Liquid.  
**Other means of identification** : Not available.

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

**Product use** : Industrial applications, Used by spraying.  
**Use of the substance/mixture** : Coating.  
**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 UK CLP/GHS**

 Flam. Liq. 3, H226  
Eye Irrit. 2, H319  
Skin Sens. 1, H317  
Carc. 1B, H350  
STOT RE 1, H372

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 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.

### 2.2 Label elements

**Hazard pictograms** :   

**Signal word** : Danger

Code : 00281501

Date of issue/Date of revision

: 25 October 2023

PSX 892 HS ALUMINUM RESIN

**SECTION 2: Hazards identification**

**Hazard statements** : **F**lammable liquid and vapour.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 May cause cancer.  
 Causes damage to organs through prolonged or repeated exposure.

**Precautionary statements**

**Prevention** : Do not handle until all safety precautions have been read and understood. 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. Do not breathe vapour.

**Response** : IF exposed or concerned: Get medical advice or attention.

**Storage** : Not applicable.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.  
 P202, P280, P210, P260, P308 + P313, P501

**Supplemental label elements** : Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Restricted to professional users.

**Special packaging requirements**

**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.

**Other hazards which do not result in classification** : Prolonged or repeated contact may dry skin and cause irritation.

**SECTION 3: Composition/information on ingredients**

Mixture

**3.2 Mixtures**

| Product/ingredient name                             | Identifiers   | %           | Classification   | Type    |
|---|---|-------------|--|---------|
| Stoddard solvent Nota(s) P                          | EC: 232-489-3<br>CAS: 8052-41-3<br>Index: 649-345-00-4                                | ≥10 - ≤25   | Eye Irrit. 2, H319<br>STOT RE 1, H372<br>(central nervous system (CNS))<br>Asp. Tox. 1, H304 | [1]     |
| N-(3-(trimethoxysilyl)propyl) ethylenediamine       | EC: 217-164-6<br>CAS: 1760-24-3   | ≥1.0 - <3.0 | Eye Dam. 1, H318<br>Skin Sens. 1B, H317<br>STOT SE 3, H335                                   | [1]     |
| Solvent naphtha (petroleum), light aliph. Nota(s) P | EC: 265-192-2<br>CAS: 64742-89-8<br>Index: 649-267-00-0                               | ≥1.0 - ≤5.0 | Skin Irrit. 2, H315<br>STOT SE 3, H336   | [1]     |
| n-butyl acetate                                     | REACH #:<br>01-2119485493-29<br>EC: 204-658-1<br>CAS: 123-86-4<br>Index: 607-025-00-1 | ≥1.0 - ≤5.0 | Asp. Tox. 1, H304<br>Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066                         | [1] [2] |

**Code** : 00281501 **Date of issue/Date of revision** : 25 October 2023  
**PSX 892 HS ALUMINUM RESIN**

### SECTION 3: Composition/information on ingredients

|  |  |             |  |         |
|--|--|-------------|--|---------|
| tetraethyl silicate  | REACH #:<br>01-2119496195-28<br>EC: 201-083-8<br>CAS: 78-10-4<br>Index: 014-005-00-0 | ≥1.0 - ≤5.0 | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>Eye Irrit. 2, H319<br>STOT SE 3, H335  | [1] [2] |
| 1,2-Ethanediamine, N,N-bis[3-(trimethoxysilyl)propyl]-     | CAS: 74956-86-8  | ≤0.30       | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317  | [1]     |
| dibutyltin dilaurate                                       | REACH #:<br>01-2119496068-27<br>EC: 201-039-8<br>CAS: 77-58-7<br>Index: 050-030-00-3 | <0.25       | Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Muta. 2, H341<br>Repr. 1B, H360FD<br>STOT SE 1, H370<br>(thymus)<br>STOT RE 1, H372<br>(immune system) (oral)<br>Aquatic Acute 1, H400<br>(M=1)<br>Aquatic Chronic 1,<br>H410 (M=1) | [1] [2] |
| butanone oxime   | REACH #:<br>01-2119539477-28<br>EC: 202-496-6<br>CAS: 96-29-7<br>Index: 616-014-00-0 | ≤0.30       | Acute Tox. 3, H301<br>Acute Tox. 4, H312<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Carc. 1B, H350<br>STOT SE 1, H370<br>(upper respiratory tract)<br>STOT SE 3, H336<br>STOT RE 2, H373<br>(blood system)                  | [1]     |
| proprietary oligomers of aminoalkylmethoxysilanes methanol | CAS: SUB128800   | ≤0.30       | Eye Dam. 1, H318<br>Skin Sens. 1, H317   | [1]     |
|  | REACH #:<br>01-2119433307-44<br>EC: 200-659-6<br>CAS: 67-56-1<br>Index: 603-001-00-X | ≤0.30       | Flam. Liq. 2, H225<br>Acute Tox. 3, H301<br>Acute Tox. 3, H311<br>Acute Tox. 3, H331<br>STOT SE 1, H370  | [1] [2] |
|  |  |             | <b>See Section 16 for the full text of the H statements declared above.</b>  |         |

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

[2] Substance with a workplace exposure limit

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

**SUB codes represent substances without registered CAS Numbers.**

### SECTION 4: First aid measures

#### 4.1 Description of 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.

**Code** : 00281501

**Date of issue/Date of revision**

: 25 October 2023

**PSX 892 HS ALUMINUM RESIN**

## SECTION 4: First aid measures

- 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 irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation. 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 or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking
- Ingestion** : No specific data.

### 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.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** :  Flammable liquid and vapour. 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.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon oxides  
nitrogen oxides  
halogenated compounds  
metal oxide/oxides  
Formaldehyde.

### 5.3 Advice for firefighters

**Code** : 00281501

**Date of issue/Date of revision**

: 25 October 2023

**PSX 892 HS ALUMINUM RESIN**

## SECTION 5: Firefighting measures

**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

### 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing 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).

### 6.3 Methods and material for containment and cleaning up

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

**Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
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. 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. 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

Code : 00281501

Date of issue/Date of revision

: 25 October 2023

PSX 892 HS ALUMINUM RESIN

## SECTION 7: Handling and storage

(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.

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

### 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

Do not store above the following temperature: 50°C (122°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 oxidising 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 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

### 8.1 Control parameters

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).

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values  |
|-------------------------|--|
| n-butyl acetate         | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>STEL: 966 mg/m <sup>3</sup> 15 minutes.<br>STEL: 200 ppm 15 minutes.<br>TWA: 724 mg/m <sup>3</sup> 8 hours.<br>TWA: 150 ppm 8 hours.   |
| tetraethyl silicate     | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>TWA: 44 mg/m <sup>3</sup> 8 hours.<br>TWA: 5 ppm 8 hours.  |
| dibutyltin dilaurate    | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020). [tin compounds, organic, except cyhexatin (ISO) as Sn] Absorbed through skin.</b><br>STEL: 0.2 mg/m <sup>3</sup> , (as Sn) 15 minutes.<br>TWA: 0.1 mg/m <sup>3</sup> , (as Sn) 8 hours. |
| methanol                | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.</b><br>STEL: 333 mg/m <sup>3</sup> 15 minutes.<br>STEL: 250 ppm 15 minutes.<br>TWA: 266 mg/m <sup>3</sup> 8 hours.<br>TWA: 200 ppm 8 hours.                      |
| Product/ingredient name | Exposure indices   |

|                                  |   |
|----------------------------------|---|
| <b>Code</b> : 00281501           | <b>Date of issue/Date of revision</b> : 25 October 2023 |
| <b>PSX 892 HS ALUMINUM RESIN</b> |   |

## SECTION 8: Exposure controls/personal protection

**Recommended monitoring procedures** : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

| Product/ingredient name                             | Type  | Exposure              | Value                     | Population             | Effects            |          |
|---|---|-----------------------|---------------------------|------------------------|--------------------|----------|
| Stoddard solvent Nota(s) P                          | DNEL  | Long term Dermal      | 3.78 mg/cm <sup>2</sup>   | General population     | Local              |          |
|   | DNEL  | Long term Dermal      | 7.56 mg/cm <sup>2</sup>   | Workers                | Local              |          |
|   | DNEL  | Long term Oral        | 10.56 mg/kg bw/day        | General population     | Systemic           |          |
|   | DNEL  | Long term Inhalation  | 22 mg/m <sup>3</sup>      | General population     | Local              |          |
|   | DNEL  | Long term Inhalation  | 22 mg/m <sup>3</sup>      | General population     | Systemic           |          |
|   | DNEL  | Short term Dermal     | 30 mg/kg bw/day           | Workers                | Systemic           |          |
|   | DNEL  | Long term Dermal      | 40 mg/kg bw/day           | General population     | Systemic           |          |
|   | DNEL  | Long term Inhalation  | 44 mg/m <sup>3</sup>      | Workers                | Local              |          |
|   | DNEL  | Long term Inhalation  | 44 mg/m <sup>3</sup>      | Workers                | Systemic           |          |
|   | DNEL  | Short term Oral       | 50 mg/kg bw/day           | General population     | Systemic           |          |
|   | DNEL  | Short term Inhalation | 55 mg/m <sup>3</sup>      | General population     | Local              |          |
|   | DNEL  | Short term Inhalation | 55 mg/m <sup>3</sup>      | General population     | Systemic           |          |
|   | DNEL  | Short term Inhalation | 55 mg/m <sup>3</sup>      | Workers                | Local              |          |
|   | DNEL  | Short term Inhalation | 55 mg/m <sup>3</sup>      | Workers                | Systemic           |          |
|   | DNEL  | Short term Dermal     | 60 mg/kg bw/day           | General population     | Systemic           |          |
|   | DNEL  | Long term Dermal      | 80 mg/kg bw/day           | Workers                | Systemic           |          |
|   | DNEL  | Long term Inhalation  | 0.1 mg/m <sup>3</sup>     | General population     | Local              |          |
|   | N-(3-(trimethoxysilyl)propyl) ethylenediamine | DNEL                  | Long term Inhalation      | 0.6 mg/m <sup>3</sup>  | Workers            | Local    |
|   |   | DNEL                  | Short term Inhalation     | 4 mg/m <sup>3</sup>    | General population | Local    |
|   |   | DNEL                  | Short term Inhalation     | 5.36 mg/m <sup>3</sup> | Workers            | Local    |
| DNEL  |   | Short term Inhalation | 50 mg/m <sup>3</sup>      | General population     | Systemic           |          |
| DNEL  |   | Short term Inhalation | 260 mg/m <sup>3</sup>     | Workers                | Systemic           |          |
| DNEL  |   | Long term Oral        | 8 mg/kg bw/day            | General population     | Systemic           |          |
| DNEL  |   | Long term Inhalation  | 50 mg/m <sup>3</sup>      | General population     | Systemic           |          |
| DNEL  |   | Long term Inhalation  | 260 mg/m <sup>3</sup>     | Workers                | Systemic           |          |
| DNEL  |   | Long term Inhalation  | 0.41 mg/m <sup>3</sup>    | General population     | Systemic           |          |
| Solvent naphtha (petroleum), light aliph. Nota(s) P |   | DNEL                  | Long term Inhalation      | 1.9 mg/m <sup>3</sup>  | Workers            | Systemic |
|   | DNEL  | Long term Inhalation  | 178.57 mg/m <sup>3</sup>  | General population     | Local              |          |
|   | DNEL  | Short term Inhalation | 640 mg/m <sup>3</sup>     | General population     | Local              |          |
|   | DNEL  | Long term Inhalation  | 837.5 mg/m <sup>3</sup>   | Workers                | Local              |          |
|   | DNEL  | Short term Inhalation | 1066.67 mg/m <sup>3</sup> | Workers                | Local              |          |
|   | DNEL  | Short term Inhalation | 1152 mg/m <sup>3</sup>    | General population     | Systemic           |          |
|   | DNEL  | Short term Inhalation | 1286.4 mg/m <sup>3</sup>  | Workers                | Systemic           |          |
|   | DNEL  | Long term Inhalation  | 300 mg/m <sup>3</sup>     | Workers                | Systemic           |          |
|   | DNEL  | Long term Inhalation  | 300 mg/m <sup>3</sup>     | Workers                | Local              |          |
|   | DNEL  | Short term Inhalation | 600 mg/m <sup>3</sup>     | Workers                | Local              |          |
|   | DNEL  | Short term Inhalation | 600 mg/m <sup>3</sup>     | Workers                | Systemic           |          |
|   | DNEL  | Long term Dermal      | 11 mg/m <sup>3</sup>      | Workers                | Systemic           |          |
|   | DNEL  | Short term Oral       | 2 mg/kg bw/day            | General population     | Systemic           |          |
|   | DNEL  | Long term Oral        | 2 mg/kg bw/day            | General population     | Systemic           |          |
|   | DNEL  | Short term Dermal     | 6 mg/kg bw/day            | General population     | Systemic           |          |
|   | DNEL  | Short term Dermal     | 11 mg/kg bw/day           | Workers                | Systemic           |          |
|   | DNEL  | Long term Inhalation  | 35.7 mg/m <sup>3</sup>    | General population     | Local              |          |
|   | DNEL  | Short term Inhalation | 300 mg/m <sup>3</sup>     | General population     | Local              |          |
|   | DNEL  | Short term Inhalation | 300 mg/m <sup>3</sup>     | General population     | Systemic           |          |
|   | n-butyl acetate                               | DNEL                  | Long term Inhalation      | 300 mg/m <sup>3</sup>  | Workers            | Local    |
| DNEL  |   | Short term Inhalation | 600 mg/m <sup>3</sup>     | Workers                | Local              |          |
| DNEL  |   | Short term Inhalation | 600 mg/m <sup>3</sup>     | Workers                | Systemic           |          |
| DNEL  |   | Long term Dermal      | 3.4 mg/kg bw/day          | General population     | Systemic           |          |
| DNEL  |   | Long term Dermal      | 7 mg/kg bw/day            | Workers                | Systemic           |          |
| DNEL  |   | Long term Inhalation  | 12 mg/m <sup>3</sup>      | General population     | Systemic           |          |
| DNEL  |   | Long term Inhalation  | 48 mg/m <sup>3</sup>      | Workers                | Systemic           |          |
| DNEL  |   | Short term Dermal     | 3 mg/kg bw/day            | General population     | Systemic           |          |
| DNEL  |   | Long term Dermal      | 3 mg/kg bw/day            | General population     | Systemic           |          |
| tetraethyl silicate                                 |   | DNEL                  | Short term Dermal         | 3 mg/kg bw/day         | General population | Systemic |
|   | DNEL  | Long term Dermal      | 3 mg/kg bw/day            | General population     | Systemic           |          |

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|----------------------------------|---|
| <b>Code</b> : 00281501           | <b>Date of issue/Date of revision</b> : 25 October 2023 |
| <b>PSX 892 HS ALUMINUM RESIN</b> |   |

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

|                      |                       |                       |                          |                    |          |
|----------------------|-----------------------|-----------------------|--------------------------|--------------------|----------|
| dibutyltin dilaurate | DNEL                  | Short term Inhalation | 14 mg/m <sup>3</sup>     | General population | Local    |
|                      | DNEL                  | Long term Inhalation  | 14 mg/m <sup>3</sup>     | General population | Local    |
|                      | DNEL                  | Short term Inhalation | 14 mg/m <sup>3</sup>     | General population | Systemic |
|                      | DNEL                  | Long term Inhalation  | 14 mg/m <sup>3</sup>     | General population | Systemic |
|                      | DNEL                  | Short term Dermal     | 56 mg/kg bw/day          | Workers            | Systemic |
|                      | DNEL                  | Long term Dermal      | 56 mg/kg bw/day          | Workers            | Systemic |
|                      | DNEL                  | Short term Dermal     | 2.08 mg/kg bw/day        | Workers            | Systemic |
|                      | DNEL                  | Short term Dermal     | 0.5 mg/kg bw/day         | General population | Systemic |
|                      | DNEL                  | Long term Oral        | 0.0031 mg/kg bw/day      | General population | Systemic |
|                      | DNEL                  | Long term Inhalation  | 0.0046 mg/m <sup>3</sup> | General population | Systemic |
|                      | DNEL                  | Short term Inhalation | 0.059 mg/m <sup>3</sup>  | Workers            | Systemic |
|                      | DNEL                  | Short term Dermal     | 0.5 mg/kg bw/day         | General population | Systemic |
|                      | DNEL                  | Short term Oral       | 0.02 mg/kg bw/day        | General population | Systemic |
|                      | DNEL                  | Long term Inhalation  | 0.02 mg/m <sup>3</sup>   | Workers            | Systemic |
|                      | DNEL                  | Short term Inhalation | 0.04 mg/m <sup>3</sup>   | General population | Systemic |
| butanone oxime       | DNEL                  | Long term Dermal      | 0.16 mg/kg bw/day        | General population | Systemic |
|                      | DNEL                  | Long term Dermal      | 0.43 mg/kg bw/day        | Workers            | Systemic |
|                      | DNEL                  | Short term Dermal     | 2.08 mg/kg bw/day        | Workers            | Systemic |
|                      | DMEL                  | Long term Oral        | 1.6 µg/kg bw/day         | General population | Systemic |
|                      | DMEL                  | Long term Dermal      | 4 µg/kg bw/day           | Workers            | Systemic |
|                      | DMEL                  | Long term Inhalation  | 4.82 µg/m <sup>3</sup>   | General population | Systemic |
|                      | DMEL                  | Long term Inhalation  | 28 µg/m <sup>3</sup>     | Workers            | Systemic |
| methanol             | DNEL                  | Long term Inhalation  | 0.43 mg/m <sup>3</sup>   | General population | Local    |
|                      | DNEL                  | Long term Inhalation  | 0.9 mg/m <sup>3</sup>    | Workers            | Local    |
|                      | DNEL                  | Short term Oral       | 4 mg/kg bw/day           | General population | Systemic |
|                      | DNEL                  | Long term Oral        | 4 mg/kg bw/day           | General population | Systemic |
|                      | DNEL                  | Short term Dermal     | 4 mg/kg bw/day           | General population | Systemic |
|                      | DNEL                  | Long term Dermal      | 4 mg/kg bw/day           | General population | Systemic |
|                      | DNEL                  | Short term Dermal     | 20 mg/kg bw/day          | Workers            | Systemic |
|                      | DNEL                  | Long term Dermal      | 20 mg/kg bw/day          | Workers            | Systemic |
|                      | DNEL                  | Short term Inhalation | 26 mg/m <sup>3</sup>     | General population | Local    |
|                      | DNEL                  | Long term Inhalation  | 26 mg/m <sup>3</sup>     | General population | Local    |
|                      | DNEL                  | Short term Inhalation | 26 mg/m <sup>3</sup>     | General population | Systemic |
| DNEL                 | Long term Inhalation  | 26 mg/m <sup>3</sup>  | General population       | Systemic           |          |
| DNEL                 | Short term Inhalation | 130 mg/m <sup>3</sup> | Workers                  | Local              |          |
| DNEL                 | Long term Inhalation  | 130 mg/m <sup>3</sup> | Workers                  | Local              |          |
| DNEL                 | Short term Inhalation | 130 mg/m <sup>3</sup> | Workers                  | Systemic           |          |
| DNEL                 | Long term Inhalation  | 130 mg/m <sup>3</sup> | Workers                  | Systemic           |          |

**PNECs**

| Product/ingredient name | Compartment Detail     | Value          | Method Detail            |
|-------------------------|------------------------|----------------|--------------------------|
| n-butyl acetate         | Fresh water            | 0.18 mg/l      | -                        |
|                         | Marine water           | 0.018 mg/l     | -                        |
|                         | Fresh water sediment   | 0.981 mg/kg    | -                        |
|                         | Marine water sediment  | 0.0981 mg/kg   | -                        |
|                         | Sewage Treatment Plant | 35.6 mg/l      | -                        |
| dibutyltin dilaurate    | Soil                   | 0.0903 mg/kg   | -                        |
|                         | Fresh water            | 0.000463 mg/l  | Assessment Factors       |
|                         | Fresh water sediment   | 0.05 mg/kg     | -                        |
|                         | Marine water sediment  | 0.005 mg/kg    | -                        |
|                         | Soil                   | 0.0407 mg/kg   | -                        |
| butanone oxime          | Sewage Treatment Plant | 100 mg/l       | Assessment Factors       |
|                         | Marine water           | 0.0000463 mg/l | Assessment Factors       |
|                         | Fresh water            | 0.256 mg/l     | Assessment Factors       |
| methanol                | Sewage Treatment Plant | 177 mg/l       | Assessment Factors       |
|                         | Fresh water            | 20.8 mg/l      | Assessment Factors       |
|                         | Marine water           | 2.08 mg/l      | Assessment Factors       |
|                         | Sewage Treatment Plant | 100 mg/l       | Assessment Factors       |
|                         | Fresh water sediment   | 77 mg/kg       | Equilibrium Partitioning |
|                         | Marine water sediment  | 7.7 mg/kg      | Equilibrium Partitioning |
|                         | Soil                   | 100 mg/kg      | Assessment Factors       |



Code : 00281501

Date of issue/Date of revision

: 25 October 2023

PSX 892 HS ALUMINUM RESIN

## SECTION 8: Exposure controls/personal protection

### 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### Individual protection measures

**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.

#### 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.

butyl 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. 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** : Not available.

**Code** : 00281501 **Date of issue/Date of revision** : 25 October 2023  
**PSX 892 HS ALUMINUM RESIN**

## SECTION 9: Physical and chemical properties

- Odour** : Characteristic.
- Odour threshold** : Not available.
- Melting point/freezing point** : May start to solidify at the following temperature: <-60°C (<-76°F) This is based on data for the following ingredient: Solvent naphtha (petroleum), light aliph.. Weighted average: -79.83°C (-111.7°F)
- Initial boiling point and boiling range** : >37.78°C (>100°F)
- Flammability (solid, gas)** : liquid
- Upper/lower flammability or explosive limits** : Greatest known range: Lower: 1.3% Upper: 23% (tetraethyl silicate)
- Flash point** : Closed cup: 32.78°C (91°F)
- Auto-ignition temperature** :

| Ingredient name            | °C         | °F         | Method |
|----------------------------|------------|------------|--------|
| stoddard solvent Nota(s) P | 230 to 240 | 446 to 464 |        |

- Decomposition temperature** :
- pH** : Not applicable.  
Not applicable. insoluble in water.
- Viscosity** : Kinematic (40°C): >21 mm<sup>2</sup>/s
- Solubility(ies)** :

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

- Solubility in water** : 5.5 g/l
- Miscible with water** : No.
- Partition coefficient: n-octanol/ water** : Not applicable.
- Vapour pressure** : 1.7 kPa (12.8 mm Hg)
- Evaporation rate** : 0.89 (butyl acetate = 1)
- Relative density** : 1.19
- Vapour density** : Highest known value: 7.22 (Air = 1) (tetraethyl silicate). Weighted average: 4.85 (Air = 1)
- Explosive properties** : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.
- Oxidising properties** : Product does not present an oxidizing hazard.
- Particle characteristics**
- Median particle size** : Not applicable.

## SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
- 10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

**Code** : 00281501 **Date of issue/Date of revision** : 25 October 2023  
**PSX 892 HS ALUMINUM RESIN**

## SECTION 10: Stability and reactivity

**10.6 Hazardous decomposition products** : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds Formaldehyde. metal oxide/oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name  | Result                             | Species | Dose          | Exposure |
|--|------------------------------------|---------|---------------|----------|
| Stoddard solvent Nota(s) P<br>N-(3-(trimethoxysilyl)propyl)<br>ethylenediamine | LD50 Oral                          | Rat     | >5 g/kg       | -        |
|  | LD50 Dermal                        | Rabbit  | >2000 mg/kg   | -        |
| Solvent naphtha<br>(petroleum), light aliph. Nota<br>(s) P                     | LD50 Oral                          | Rat     | 2413 mg/kg    | -        |
|  | LC50 Inhalation Vapour             | Rat     | >20 mg/l      | 4 hours  |
| n-butyl acetate  | LD50 Dermal                        | Rat     | >2000 mg/kg   | -        |
|  | LD50 Oral                          | Rat     | >5000 mg/kg   | -        |
|  | LC50 Inhalation Vapour             | Rat     | >21.1 mg/l    | 4 hours  |
|  | LC50 Inhalation Vapour             | Rat     | 2000 ppm      | 4 hours  |
| tetraethyl silicate  | LD50 Dermal                        | Rabbit  | >17600 mg/kg  | -        |
|  | LD50 Oral                          | Rat     | 10.768 g/kg   | -        |
|  | LC50 Inhalation Dusts and<br>mists | Rat     | 10 to 16 mg/l | 4 hours  |
| dibutyltin dilaurate<br>butanone oxime   | LD50 Dermal                        | Rabbit  | 5.878 g/kg    | -        |
|  | LD50 Oral                          | Rat     | 6270 mg/kg    | -        |
|  | LD50 Oral                          | Rat     | 2071 mg/kg    | -        |
|  | LD50 Dermal                        | Rabbit  | 1100 mg/kg    | -        |
| methanol   | LD50 Oral                          | Rat     | 100 mg/kg     | -        |
|  | LC50 Inhalation Vapour             | Rat     | 64000 ppm     | 4 hours  |
|  | LD50 Dermal                        | Rabbit  | 15800 mg/kg   | -        |
|  | LD50 Oral                          | Rat     | 5600 mg/kg    | -        |

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Acute toxicity estimates

| Product/ingredient name                      | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| PSX 892 HS ALUMINUM RESIN                    | 34276.4      | 260421.0       | N/A                      | 693.2                       | N/A                                 |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 2413         | N/A            | N/A                      | N/A                         | N/A                                 |
| n-butyl acetate                              | 10768        | N/A            | N/A                      | N/A                         | N/A                                 |
| tetraethyl silicate                          | 6270         | 5878           | N/A                      | 11                          | N/A                                 |
| dibutyltin dilaurate                         | 2071         | N/A            | N/A                      | N/A                         | N/A                                 |
| butanone oxime                               | 100          | 1100           | N/A                      | N/A                         | N/A                                 |
| methanol                                     | 100          | 300            | 64000                    | 3                           | N/A                                 |

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.  
**Skin** : There are no data available on the mixture itself.  
**Eyes** : There are no data available on the mixture itself.  
**Respiratory** : There are no data available on the mixture itself.

#### Sensitisation

**Conclusion/Summary** : There are no data available on the mixture itself.  
**Skin** : There are no data available on the mixture itself.  
**Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

Code : 00281501

Date of issue/Date of revision

: 25 October 2023

PSX 892 HS ALUMINUM RESIN

**SECTION 11: Toxicological information****Carcinogenicity****Conclusion/Summary** : There are no data available on the mixture itself.**Reproductive toxicity****Conclusion/Summary** : There are no data available on the mixture itself.**Teratogenicity****Conclusion/Summary** :

There are no data available on the mixture itself.

**Specific target organ toxicity (single exposure)**

| Product/ingredient name                             | Category   | Route of exposure | Target organs                |
|---|------------|-------------------|------------------------------|
| N-(3-(trimethoxysilyl)propyl)ethylenediamine        | Category 3 | -                 | Respiratory tract irritation |
| Solvent naphtha (petroleum), light aliph. Nota(s) P | Category 3 | -                 | Narcotic effects             |
| n-butyl acetate                                     | Category 3 | -                 | Narcotic effects             |
| tetraethyl silicate                                 | Category 3 | -                 | Respiratory tract irritation |
| dibutyltin dilaurate                                | Category 1 | -                 | thymus                       |
| butanone oxime                                      | Category 1 | -                 | upper respiratory tract      |
| methanol  | Category 3 | -                 | Narcotic effects             |
|   | Category 1 | -                 | -                            |

**Specific target organ toxicity (repeated exposure)**

| Product/ingredient name    | Category   | Route of exposure | Target organs                |
|----------------------------|------------|-------------------|------------------------------|
| stoddard solvent Nota(s) P | Category 1 | -                 | central nervous system (CNS) |
| dibutyltin dilaurate       | Category 1 | oral              | immune system                |
| butanone oxime             | Category 2 | -                 | blood system                 |

**Aspiration hazard**

| Product/ingredient name                             | Result                         |
|---|--------------------------------|
| stoddard solvent Nota(s) P                          | ASPIRATION HAZARD - Category 1 |
| Solvent naphtha (petroleum), light aliph. Nota(s) P | ASPIRATION HAZARD - Category 1 |

**Information on likely routes of exposure** : Not available.**Potential acute health effects****Eye contact**

: Causes serious eye irritation.

**Inhalation**

: No known significant effects or critical hazards.

**Skin contact**

: Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.

**Ingestion**

: No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics****Eye contact**: Adverse symptoms may include the following:  
pain or irritation  
watering  
redness**Inhalation**

: No specific data.

**Skin contact**: Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking

**Code** : 00281501 **Date of issue/Date of revision** : 25 October 2023  
**PSX 892 HS ALUMINUM RESIN**

## SECTION 11: Toxicological information

**Ingestion** : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.

**General** : Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name   | Result                         | Species      | Exposure |
|---|--------------------------------|--------------|----------|
| <input checked="" type="checkbox"/> (3-(trimethoxysilyl)propyl) ethylenediamine | EC50 597 mg/l                  | Fish         | 96 hours |
| <input type="checkbox"/> n-butyl acetate  | Acute LC50 18 mg/l             | Fish         | 96 hours |
| <input type="checkbox"/> dibutyltin dilaurate                                   | EC50 0.463 mg/l                | Daphnia      | 48 hours |
| <input type="checkbox"/> methanol   | Acute LC50 13 mg/l Fresh water | Fish - Trout | 96 hours |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

| Product/ingredient name                             | Test               | Result                   | Dose | Inoculum |
|---|--------------------|--------------------------|------|----------|
| <input checked="" type="checkbox"/> n-butyl acetate | TEPA and OECD 301D | 83 % - Readily - 28 days | -    | -        |

**Conclusion/Summary** : Not available.

| Product/ingredient name                             | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| <input checked="" type="checkbox"/> n-butyl acetate | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

**Code** : 00281501 **Date of issue/Date of revision** : 25 October 2023  
**PSX 892 HS ALUMINUM RESIN**

## SECTION 12: Ecological information

| Product/ingredient name    | LogP <sub>ow</sub> | BCF  | Potential |
|----------------------------|--------------------|------|-----------|
| Stoddard solvent Nota(s) P | 3.16 to 7.06       | -    | High      |
| n-butyl acetate            | 2.3                | -    | Low       |
| tetraethyl silicate        | 3.18               | -    | Low       |
| dibutyltin dilaurate       | 4.44               | -    | High      |
| butanone oxime             | 0.63               | 5.01 | Low       |
| methanol                   | -0.77              | -    | Low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 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 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** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### Waste catalogue

| Waste code | Waste designation              |
|------------|--------------------------------|
| 08 01 99   | wastes not otherwise specified |

#### 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 | Waste catalogue          |
|-------------------|--------------------------|
| Container         | 15 01 06 mixed packaging |

**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. Vapour 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

**Code** : 00281501 **Date of issue/Date of revision** : 25 October 2023  
**PSX 892 HS ALUMINUM RESIN**

## SECTION 14: Transport information

|  | ADR/RID         | ADN             | IMDG            | IATA            |
|--|-----------------|-----------------|-----------------|-----------------|
| <b>14.1 UN number</b>                  | UN1263          | UN1263          | UN1263          | UN1263          |
| <b>14.2 UN proper shipping name</b>    | PAINT           | PAINT           | PAINT           | PAINT           |
| <b>14.3 Transport hazard class(es)</b> | 3               | 3               | 3               | 3               |
| <b>14.4 Packing group</b>              | III             | III             | III             | III             |
| <b>14.5 Environmental hazards</b>      | No.             | Yes.            | No.             | No.             |
| <b>Marine pollutant substances</b>     | Not applicable. | Not applicable. | Not applicable. | Not applicable. |

### Additional information

**ADR/RID** : None identified.

**Tunnel code** : (D/E)

**ADN** : The product is only regulated as an environmentally hazardous substance when transported in tank vessels.

**IMDG** : None identified.

**IATA** : None identified.

**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 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

#### UK (GB)/REACH

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

###### Ozone depleting substances

Not listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Restricted to professional users.

###### Seveso Directive

This product is controlled under the Seveso Directive.


###### Danger criteria

|                                  |   |
|----------------------------------|---|
| <b>Code</b> : 00281501           | <b>Date of issue/Date of revision</b> : 25 October 2023 |
| <b>PSX 892 HS ALUMINUM RESIN</b> |   |

## SECTION 15: Regulatory information

|                 |
|-----------------|
| <b>Category</b> |
| P5c             |


## SECTION 16: Other information

 Indicates information that has changed from previously issued version.


**Abbreviations and acronyms** :

- ATE = Acute Toxicity Estimate
- GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = GB CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification

| Classification  | Justification   |
|---|---|
|  Flam. Liq. 3, H226<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Carc. 1B, H350<br>STOT RE 1, H372 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

### Full text of abbreviated H statements

|  |  |
|--|--|
|  H225 | Highly flammable liquid and vapour.                                |
| H226   | Flammable liquid and vapour.                                       |
| H301   | Toxic if swallowed.  |
| H304   | May be fatal if swallowed and enters airways.                      |
| H311   | Toxic in contact with skin.  |
| 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.   |
| H319   | Causes serious eye irritation.                                     |
| H331   | Toxic if inhaled.  |
| H332   | Harmful if inhaled.  |
| H335   | May cause respiratory irritation.                                  |
| H336   | May cause drowsiness or dizziness.                                 |
| H341   | Suspected of causing genetic defects.                              |
| H350   | May cause cancer.  |
| H360FD   | May damage fertility. May damage the unborn child.                 |
| H370   | Causes damage to organs.   |
| H372   | Causes damage to organs through prolonged or repeated exposure.    |
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| H400   | Very toxic to aquatic life.  |
| H410   | Very toxic to aquatic life with long lasting effects.              |
| EUH066   | Repeated exposure may cause skin dryness or cracking.              |

### Full text of classifications



Code : 00281501

Date of issue/Date of revision

: 25 October 2023

PSX 892 HS ALUMINUM RESIN

**SECTION 16: Other information**

|                   |   |
|-------------------|---|
| Acute Tox. 3      | ACUTE TOXICITY - Category 3                                     |
| Acute Tox. 4      | ACUTE TOXICITY - Category 4                                     |
| Aquatic Acute 1   | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1                  |
| Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1                 |
| Asp. Tox. 1       | ASPIRATION HAZARD - Category 1                                  |
| Carc. 1B          | CARCINOGENICITY - Category 1B                                   |
| Eye Dam. 1        | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1                  |
| Eye Irrit. 2      | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2                  |
| Flam. Liq. 2      | FLAMMABLE LIQUIDS - Category 2                                  |
| Flam. Liq. 3      | FLAMMABLE LIQUIDS - Category 3                                  |
| Muta. 2           | GERM CELL MUTAGENICITY - Category 2                             |
| Repr. 1B          | REPRODUCTIVE TOXICITY - Category 1B                             |
| 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. 1B     | SKIN SENSITISATION - Category 1B                                |
| STOT RE 1         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |
| STOT RE 2         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| STOT SE 1         | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1   |
| STOT SE 3         | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3   |

**History**

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Prepared by : EHS

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