

## SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier:** 250-G-307
- Other means of identification:**  
Non-applicable
- 1.2 Recommended use of the chemical and restrictions on use:**  
Relevant uses: Decorative coating. For industrial user only.  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**  
Reacciones Químicas SA de CV  
Carretera a Saltillo Km 7, Parque Industrial el Obispo  
66359 Santa Catarina - Nuevo Leon - Mexico  
Phone: +528181510200 - Fax: +528181510224  
reacciones@reacciones.com  
<http://www.reacciones.com>
- 1.4 Emergency phone number:** SETIQ (800) 002-1400 CHEMTREC 800-681-9531 (24 h, 7 days)

## SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**29 CFR 1910.1200:**  
Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.  
Carc. 2: Carcinogenicity, Category 2, H351  
Eye Irrit. 2A: Eye irritation, Category 2A, H319  
Flam. Liq. 3: Flammable liquids, Category 3, H226  
Repr. 2: Reproductive toxicity, Category 2, H361  
Skin Irrit. 2: Skin irritation, Category 2, H315  
STOT RE 1: Specific target organ toxicity — Repeated exposure, Hazard Category 1 (Inhalation), H372

**2.2 Label elements:**

**29 CFR 1910.1200:**

**Danger**



**Hazard statements:**

Carc. 2: H351 - Suspected of causing cancer.  
Eye Irrit. 2A: H319 - Causes serious eye irritation.  
Flam. Liq. 3: H226 - Flammable liquid and vapour.  
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.  
Skin Irrit. 2: H315 - Causes skin irritation.  
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).

**Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P201: Obtain special instructions before use.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P370+P378: In case of fire: Use ABC powder extinguisher to put it out.  
P501: Dispose of the contents/containers according to the local, state and federal regulations.

**Substances that contribute to the classification**

STYRENE; N,N-dimethylaniline

**Additional labeling:**

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## SECTION 2: HAZARD(S) IDENTIFICATION (continued)



### WARNING

This product can expose you to chemicals including styrene, which is [are] known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 2.3 Hazards not otherwise classified (HNOC):

Non-applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances:

Non-applicable

### 3.2 Mixtures:

**Chemical description:** Mixture composed of additives and resins in solvents

#### Components:

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

| Identification   | Chemical name/Classification                                                                                                                                                     | Concentration                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| CAS: 100-42-5    | <b>styrene</b><br>Acute Tox. 4: H332; Asp. Tox. 1: H304; Carc. 2: H351; Eye Irrit. 2A: H319; Flam. Liq. 3: H226; Repr. 2: H361;<br>Skin Irrit. 2: H315; STOT RE 1: H372 - Danger |  <b>35 - &lt;40 %</b>   |
| CAS: 112945-52-5 | <b>Syntetic Silicon Dioxide</b><br>Eye Irrit. 2A: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning                                                                           |  <b>0.5 - &lt;2.5 %</b> |
| CAS: 1333-86-4   | <b>Carbon black</b><br>Carc. 2: H351 - Warning                                                                                                                                   |  <b>0.5 - &lt;2.5 %</b> |
| CAS: 121-69-7    | <b>N,N-dimethylaniline</b><br>Acute Tox. 3: H301+H311+H331; Carc. 2: H351; Flam. Liq. 4: H227 - Danger                                                                           |  <b>&lt;0.5 %</b>       |

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

## SECTION 4: FIRST-AID MEASURES

### 4.1 Description of necessary measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

#### By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

#### By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

#### By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

#### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

### 4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

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## SECTION 4: FIRST-AID MEASURES (continued)

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

Non-applicable

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Suitable (and unsuitable) extinguishing media:

#### Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>).

#### Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

### 5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

### 5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

#### Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

#### For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

### 6.2 Environmental precautions:

The characteristic of Ignitability per RCRA could apply to the unused product if it becomes a waste material. The EPA hazardous waste number D001 could apply. It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing.

### 6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

### 6.4 Reference to other sections:

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

#### A.- General precautions for safe use

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

#### B.- Technical recommendations for the prevention of fires and explosions

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## SECTION 7: HANDLING AND STORAGE (continued)

Because the product is a flammable liquid, storage should meet the requirement of 29 CFR 1910.106, Flammable and Combustible Liquids Code. Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

### C.- Technical recommendations on general occupational hygiene

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in fixed places that comply with the necessary security conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to containers of small amounts. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

### D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

## 7.2 Conditions for safe storage, including any incompatibilities:

### A.- Technical measures for storage

Minimum Temp.: 59 °F

Maximum Temp.: 86 °F

### B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

## 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

| Identification                         | Occupational exposure limits |         |                        |
|----------------------------------------|------------------------------|---------|------------------------|
| styrene                                | 8-hour TWA PEL               | 100 ppm |                        |
| CAS: 100-42-5                          | Ceiling Values - TWA PEL     | 200 ppm |                        |
| Carbon black                           | 8-hour TWA PEL               |         | 3.5 mg/m <sup>3</sup>  |
| CAS: 1333-86-4                         | Ceiling Values - TWA PEL     |         |                        |
| Stoddard solvent, < 0.1 % EC 200-753-7 | 8-hour TWA PEL               | 500 ppm | 2900 mg/m <sup>3</sup> |
| CAS: 8052-41-3                         | Ceiling Values - TWA PEL     |         |                        |
| Stoddard solvent                       | 8-hour TWA PEL               | 500 ppm | 2900 mg/m <sup>3</sup> |
| CAS: 8052-41-3                         | Ceiling Values - TWA PEL     |         |                        |
| N,N-dimethylaniline                    | 8-hour TWA PEL               | 5 ppm   | 25 mg/m <sup>3</sup>   |
| CAS: 121-69-7                          | Ceiling Values - TWA PEL     |         |                        |
| Cumene                                 | 8-hour TWA PEL               | 50 ppm  | 245 mg/m <sup>3</sup>  |
| CAS: 98-82-8                           | Ceiling Values - TWA PEL     |         |                        |
| Titanium dioxide                       | 8-hour TWA PEL               |         | 15 mg/m <sup>3</sup>   |
| CAS: 13463-67-7                        | Ceiling Values - TWA PEL     |         |                        |

US. ACGIH Threshold Limit Values (2022):

| Identification                         | Occupational exposure limits |        |                       |
|----------------------------------------|------------------------------|--------|-----------------------|
| styrene                                | TLV-TWA                      | 20 ppm |                       |
| CAS: 100-42-5                          | TLV-STEL                     | 40 ppm |                       |
| Carbon black                           | TLV-TWA                      |        | 3 mg/m <sup>3</sup>   |
| CAS: 1333-86-4                         | TLV-STEL                     |        |                       |
| Stoddard solvent, < 0.1 % EC 200-753-7 | TLV-TWA                      |        | 290 mg/m <sup>3</sup> |

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**
**US. ACGIH Threshold Limit Values (2022):**

| Identification                  | Occupational exposure limits |        |                        |
|---------------------------------|------------------------------|--------|------------------------|
| CAS: 8052-41-3                  | TLV-STEL                     |        | 580 mg/m <sup>3</sup>  |
| Cobalt dihydroxide              | TLV-TWA                      |        | 0.02 mg/m <sup>3</sup> |
| CAS: 21041-93-0                 | TLV-STEL                     |        |                        |
| Stoddard solvent                | TLV-TWA                      |        | 290 mg/m <sup>3</sup>  |
| CAS: 8052-41-3                  | TLV-STEL                     |        | 580 mg/m <sup>3</sup>  |
| N,N-dimethylaniline             | TLV-TWA                      | 5 ppm  |                        |
| CAS: 121-69-7                   | TLV-STEL                     | 10 ppm |                        |
| 2-methoxy-1-methylethyl acetate | TLV-TWA                      | 50 ppm |                        |
| CAS: 108-65-6                   | TLV-STEL                     | 75 ppm |                        |
| Cumene                          | TLV-TWA                      | 25 ppm |                        |
| CAS: 98-82-8                    | TLV-STEL                     | 75 ppm |                        |
| Titanium dioxide                | TLV-TWA                      |        | 2.5 mg/m <sup>3</sup>  |
| CAS: 13463-67-7                 | TLV-STEL                     |        |                        |
| Talc                            | TLV-TWA                      |        | 2 mg/m <sup>3</sup>    |
| CAS: 14807-96-6                 | TLV-STEL                     |        |                        |
| Kaolin                          | TLV-TWA                      |        | 2 mg/m <sup>3</sup>    |
| CAS: 1332-58-7                  | TLV-STEL                     |        |                        |

**CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:**

| Identification                         | Occupational exposure limits |         |                       |
|----------------------------------------|------------------------------|---------|-----------------------|
| styrene                                | PEL                          | 50 ppm  | 215 mg/m <sup>3</sup> |
| CAS: 100-42-5                          | STEL                         | 100 ppm | 425 mg/m <sup>3</sup> |
| Carbon black                           | PEL                          |         | 3.5 mg/m <sup>3</sup> |
| CAS: 1333-86-4                         | STEL                         |         |                       |
| Stoddard solvent, < 0.1 % EC 200-753-7 | PEL                          | 100 ppm | 525 mg/m <sup>3</sup> |
| CAS: 8052-41-3                         | STEL                         |         |                       |
| Stoddard solvent                       | PEL                          | 100 ppm | 525 mg/m <sup>3</sup> |
| CAS: 8052-41-3                         | STEL                         |         |                       |
| N,N-dimethylaniline                    | PEL                          | 5 ppm   | 25 mg/m <sup>3</sup>  |
| CAS: 121-69-7                          | STEL                         | 50 ppm  |                       |
| 2-methoxy-1-methylethyl acetate        | PEL                          | 100 ppm | 541 mg/m <sup>3</sup> |
| CAS: 108-65-6                          | STEL                         | 811 ppm |                       |
| Cumene                                 | PEL                          | 50 ppm  | 245 mg/m <sup>3</sup> |
| CAS: 98-82-8                           | STEL                         |         |                       |
| Talc                                   | PEL                          |         | 2 mg/m <sup>3</sup>   |
| CAS: 14807-96-6                        | STEL                         |         |                       |

**Biological limit values:**
**Biological Exposure Indices (BEIs®) - ACGIH**

| Identification           | BEIs®           | Determinant                                            | Sampling Time |
|--------------------------|-----------------|--------------------------------------------------------|---------------|
| styrene<br>CAS: 100-42-5 | 400 mg/g (NULL) | Mandelic acid plus<br>phenylglyoxylic acid in<br>urine | End of shift  |

**8.2 Appropriate engineering controls:**
**A.- Individual protection measures, such as personal protective equipment**

Always provide effective general and, when necessary, local exhaust ventilation to maintain the ambient workplace atmosphere below the exposure limits.. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

**B.- Respiratory protection**

| Pictogram                                                                                                                           | PPE                               | Remarks                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Mandatory<br>respiratory tract<br>protection | Filter mask for gases and vapours | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR) |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

### C.- Specific protection for the hands

| Pictogram                                                                                                      | PPE                                                                                                                               | Remarks                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR) |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

### D.- Eye and face protection

| Pictogram                                                                                                      | PPE         | Remarks                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Mandatory face protection | Face shield | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR) |

### E.- Bodily protection

| Pictogram                                                                                                               | PPE                                                                                                 | Remarks                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection        | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties | Replace boots at any sign of deterioration.                                                 |

### F.- Additional emergency measures

| Emergency measure                                                                                       | Standards                                       | Emergency measure                                                                                        | Standards                                      |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

### Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

### 40 CFR Part 59 (VOC):

|                         |                                       |
|-------------------------|---------------------------------------|
| V.O.C.(weight-percent): | 35.99 % weight                        |
| V.O.C. at 68 °F:        | 429.18 kg/m <sup>3</sup> (429.18 g/L) |

### California Air Resources Board (CARB) - VOC Regulatory:

|                         |                                       |
|-------------------------|---------------------------------------|
| V.O.C.(weight-percent): | 35.99 % weight                        |
| V.O.C. at 68 °F:        | 429.18 kg/m <sup>3</sup> (429.18 g/L) |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

#### Appearance:

|                          |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| Physical state at 68 °F: | Liquid                                                                                   |
| Appearance:              | Viscous                                                                                  |
| Color:                   |  Grey |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

|                                              |                          |
|----------------------------------------------|--------------------------|
| Odor:                                        | Solvent                  |
| Odour threshold:                             | Non-applicable *         |
| <b>Volatility:</b>                           |                          |
| Boiling point at atmospheric pressure:       | 261 - 7624 °F            |
| Vapour pressure at 68 °F:                    | 619 Pa                   |
| Vapour pressure at 122 °F:                   | 3281 Pa (3.28 kPa)       |
| Evaporation rate at 68 °F:                   | Non-applicable *         |
| <b>Product description:</b>                  |                          |
| Density at 68 °F:                            | 1189.3 kg/m <sup>3</sup> |
| Relative density at 68 °F:                   | 1.189                    |
| Dynamic viscosity at 68 °F:                  | Non-applicable *         |
| Kinematic viscosity at 68 °F:                | Non-applicable *         |
| Kinematic viscosity at 104 °F:               | >20.5 mm <sup>2</sup> /s |
| Concentration:                               | Non-applicable *         |
| pH:                                          | Non-applicable *         |
| Vapour density at 68 °F:                     | Non-applicable *         |
| Partition coefficient n-octanol/water 68 °F: | Non-applicable *         |
| Solubility in water at 68 °F:                | Non-applicable *         |
| Solubility properties:                       | Non-applicable *         |
| Decomposition temperature:                   | Non-applicable *         |
| Melting point/freezing point:                | Non-applicable *         |
| <b>Flammability:</b>                         |                          |
| Flash Point:                                 | 90 °F                    |
| Flammability (solid, gas):                   | Non-applicable *         |
| Autoignition temperature:                    | 545 °F                   |
| Lower flammability limit:                    | Not available            |
| Upper flammability limit:                    | Not available            |
| <b>Particle characteristics:</b>             |                          |
| Median equivalent diameter:                  | Non-applicable           |

**9.2 Other information:**
**Information with regard to physical hazard classes:**

|                                                              |                  |
|--------------------------------------------------------------|------------------|
| Explosive properties:                                        | Non-applicable * |
| Oxidising properties:                                        | Non-applicable * |
| Corrosive to metals:                                         | Non-applicable * |
| Heat of combustion:                                          | Non-applicable * |
| Aerosols-total percentage (by mass) of flammable components: | Non-applicable * |

**Other safety characteristics:**

|                           |                  |
|---------------------------|------------------|
| Surface tension at 68 °F: | Non-applicable * |
| Refraction index:         | Non-applicable * |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**
**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

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## SECTION 10: STABILITY AND REACTIVITY (continued)

Chemically stable under the indicated conditions of storage, handling and use.

### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight            | Humidity       |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable     | Not applicable   | Risk of combustion      | Avoid direct impact | Not applicable |

### 10.5 Incompatible materials:

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable        | Avoid alkalis or strong bases |

### 10.6 Hazardous decomposition products:

Contains substances highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

#### A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

#### B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

#### C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

#### D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.

IARC: styrene (2A); Carbon black (2B); Neodecanoic acid, cobalt salt (2B); Stoddard solvent, < 0.1 % EC 200-753-7 (3); Cobalt dihydroxide (2B); Stoddard solvent (3); Cobalt bis(2-ethylhexanoate) (2B); N,N-dimethylaniline (3); Solvent naphtha (petroleum), light arom. , < 0.1 % EC 200-753-7 (3); Cumene (2B); Titanium dioxide (2B); Talc (3)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Suspected of damaging fertility or the unborn child

#### E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

#### F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

#### G- Specific target organ toxicity (STOT)-repeated exposure:

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged inhalation, including death, serious functional disorders or morphological changes of toxicological importance.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification                               | Acute toxicity  |                 | Genus  |
|----------------------------------------------|-----------------|-----------------|--------|
| styrene<br>CAS: 100-42-5                     | LD50 oral       | >5000 mg/kg     |        |
|                                              | LD50 dermal     | >5000 mg/kg     |        |
|                                              | LC50 inhalation | 11.8 mg/L (4 h) | Rat    |
| N,N-dimethylaniline<br>CAS: 121-69-7         | LD50 oral       | 100 mg/kg       |        |
|                                              | LD50 dermal     | 300 mg/kg       |        |
|                                              | LC50 inhalation | 3 mg/L (ATEi)   |        |
| Syntetic Silicon Dioxide<br>CAS: 112945-52-5 | LD50 oral       | 10000 mg/kg     | Rat    |
|                                              | LD50 dermal     | 5100 mg/kg      | Rabbit |
|                                              | LC50 inhalation | >5 mg/L         |        |
| Carbon black<br>CAS: 1333-86-4               | LD50 oral       | >5000 mg/kg     |        |
|                                              | LD50 dermal     | >5000 mg/kg     |        |
|                                              | LC50 inhalation | >5 mg/L         |        |

**Acute Toxicity Estimate (ATE mix):**

| ATE mix    |                                       | Ingredient(s) of unknown toxicity |
|------------|---------------------------------------|-----------------------------------|
| Oral       | 83333.33 mg/kg (Calculation method)   | 0 %                               |
| Dermal     | 250000 mg/kg (Calculation method)     | 0 %                               |
| Inhalation | 32.69 mg/L (4 h) (Calculation method) | 0 %                               |

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Ecotoxicity (aquatic and terrestrial, where available):**
**Acute toxicity:**

| Identification                               | Concentration |                   | Species                 | Genus      |
|----------------------------------------------|---------------|-------------------|-------------------------|------------|
| styrene<br>CAS: 100-42-5                     | LC50          | 64.7 mg/L (96 h)  | Carassius auratus       | Fish       |
|                                              | EC50          | 4.7 mg/L (48 h)   | Daphnia magna           | Crustacean |
|                                              | EC50          | 67 mg/L (192 h)   | Microcystis aeruginosa  | Algae      |
| Syntetic Silicon Dioxide<br>CAS: 112945-52-5 | LC50          | 10000 mg/L (96 h) | Brachydanio rerio       | Fish       |
|                                              | EC50          | 10000 mg/L (24 h) | Daphnia magna           | Crustacean |
|                                              | EC50          | Non-applicable    |                         |            |
| Carbon black<br>CAS: 1333-86-4               | LC50          | 1000 mg/L (96 h)  | Brachydanio rerio       | Fish       |
|                                              | EC50          | 5600 mg/L (24 h)  | Daphnia magna           | Crustacean |
|                                              | EC50          | Non-applicable    |                         |            |
| N,N-dimethylaniline<br>CAS: 121-69-7         | LC50          | 69 mg/L (48 h)    | Carassius auratus       | Fish       |
|                                              | EC50          | 5 mg/L (48 h)     | Daphnia magna           | Crustacean |
|                                              | EC50          | 340 mg/L (96 h)   | Scenedesmus subspicatus | Algae      |

**Chronic toxicity:**

| Identification           | Concentration |                | Species       | Genus      |
|--------------------------|---------------|----------------|---------------|------------|
| styrene<br>CAS: 100-42-5 | NOEC          | Non-applicable |               |            |
|                          | NOEC          | 1.01 mg/L      | Daphnia magna | Crustacean |

**12.2 Persistence and degradability:**

- CONTINUED ON NEXT PAGE -

**SECTION 12: ECOLOGICAL INFORMATION (continued)**
**Substance-specific information:**

| Identification                       | Degradability |                          | Biodegradability |          |
|--------------------------------------|---------------|--------------------------|------------------|----------|
| styrene<br>CAS: 100-42-5             | BOD5          | 1.96 g O <sub>2</sub> /g | Concentration    | 100 mg/L |
|                                      | COD           | 2.8 g O <sub>2</sub> /g  | Period           | 14 days  |
|                                      | BOD5/COD      | 0.7                      | % Biodegradable  | 100 %    |
| N,N-dimethylaniline<br>CAS: 121-69-7 | BOD5          | Non-applicable           | Concentration    | 100 mg/L |
|                                      | COD           | Non-applicable           | Period           | 14 days  |
|                                      | BOD5/COD      | Non-applicable           | % Biodegradable  | 1.9 %    |

**12.3 Bioaccumulative potential:**
**Substance-specific information:**

| Identification                       | Bioaccumulation potential |      |
|--------------------------------------|---------------------------|------|
| styrene<br>CAS: 100-42-5             | BCF                       | 14   |
|                                      | Pow Log                   | 2.95 |
|                                      | Potential                 | Low  |
| N,N-dimethylaniline<br>CAS: 121-69-7 | BCF                       | 13   |
|                                      | Pow Log                   | 2.3  |
|                                      | Potential                 | Low  |

**12.4 Mobility in soil:**

| Identification                       | Absorption/desorption |                      | Volatility |                |
|--------------------------------------|-----------------------|----------------------|------------|----------------|
| styrene<br>CAS: 100-42-5             | Koc                   | Non-applicable       | Henry      | Non-applicable |
|                                      | Conclusion            | Non-applicable       | Dry soil   | Non-applicable |
|                                      | Surface tension       | 3.21E-2 N/m (77 °F)  | Moist soil | Non-applicable |
| N,N-dimethylaniline<br>CAS: 121-69-7 | Koc                   | Non-applicable       | Henry      | Non-applicable |
|                                      | Conclusion            | Non-applicable       | Dry soil   | Non-applicable |
|                                      | Surface tension       | 3.595E-2 N/m (77 °F) | Moist soil | Non-applicable |

**12.5 Results of PBT and vPvB assessment:**

Non-applicable

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**
**13.1 Disposal methods:**
**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See epigraph 6.2.

**Regulations related to waste management:**

Legislation related to waste management:

40 CFR Part 261- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

**SECTION 14: TRANSPORT INFORMATION**
**Transport of dangerous goods by land:**

With regard to 49 CFR on the Transport of Dangerous Goods:

- CONTINUED ON NEXT PAGE -

## SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1866  
**14.2 UN proper shipping name:** RESIN SOLUTION  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group, if applicable:** III  
**14.5 Marine pollutant:** No  
**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
 Physico-Chemical properties: see section 9  
 Limited quantities: 5 L  
**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Non-applicable

### Transport of dangerous goods by sea:

With regard to IMDG 40-20:



- 14.1 UN number:** UN1866  
**14.2 UN proper shipping name:** RESIN SOLUTION  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group, if applicable:** III  
**14.5 Marine pollutant:** No  
**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
 Special regulations: 955, 223  
 EmS Codes: F-E, S-E  
 Physico-Chemical properties: see section 9  
 Limited quantities: 5 L  
 Segregation group: Non-applicable  
**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Non-applicable

### Transport of dangerous goods by air:

With regard to IATA/ICAO 2022:



- 14.1 UN number:** UN1866  
**14.2 UN proper shipping name:** RESIN SOLUTION  
**14.3 Transport hazard class(es):** 3  
 Labels: 3  
**14.4 Packing group, if applicable:** III  
**14.5 Marine pollutant:** No  
**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
 Physico-Chemical properties: see section 9  
**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Non-applicable

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations specific for the product in question:

- CONTINUED ON NEXT PAGE -

## SECTION 15: REGULATORY INFORMATION (continued)

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *styrene (100-42-5)*; *Carbon black (1333-86-4)*; *N,N-dimethylaniline (121-69-7)*
  - California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Non-applicable
  - California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: *styrene (100-42-5)*
  - CANADA-Domestic Substances List (DSL): *styrene (100-42-5)*; *Synthetic Silicon Dioxide (112945-52-5)*; *Carbon black (1333-86-4)*; *N,N-dimethylaniline (121-69-7)*
  - CANADA-Non-Domestic Substances List (NDSL): Non-applicable
  - Hazardous Air Pollutants (Clean Air Act): *styrene (100-42-5)*; *N,N-dimethylaniline (121-69-7)*
  - Massachusetts RTK - Substance List: *styrene (100-42-5)*; *Carbon black (1333-86-4)*; *N,N-dimethylaniline (121-69-7)*
  - Minnesota - Hazardous substances ERTK: *styrene (100-42-5)*; *Carbon black (1333-86-4)*; *N,N-dimethylaniline (121-69-7)*
  - New Jersey Worker and Community Right-to-Know Act: *styrene (100-42-5)*; *Carbon black (1333-86-4)*; *N,N-dimethylaniline (121-69-7)*
  - New York RTK - Substance list: *styrene (100-42-5)*; *N,N-dimethylaniline (121-69-7)*
  - NTP (National Toxicology Program): *styrene (100-42-5)*
  - OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Non-applicable
  - Pennsylvania Worker and Community Right-to-Know Law: *styrene (100-42-5)*; *Carbon black (1333-86-4)*; *N,N-dimethylaniline (121-69-7)*
  - Rhode Island - Hazardous substances RTK: *styrene (100-42-5)*; *N,N-dimethylaniline (121-69-7)*
  - The Toxic Substances Control Act (TSCA) : *styrene (100-42-5)*; *Carbon black (1333-86-4)*; *N,N-dimethylaniline (121-69-7)*
  - Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *styrene (100-42-5)*; *N,N-dimethylaniline (121-69-7)*
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: *styrene (1000 pounds)*; *N,N-dimethylaniline (100 pounds)*

### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

### Other legislation:

Take into consideration other applicable federal, state, and local laws and local regulations.

## SECTION 16: OTHER INFORMATION

### Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

### Texts of the legislative phrases mentioned in section 2:

- H315: Causes skin irritation.
- H351: Suspected of causing cancer.
- H361: Suspected of damaging fertility or the unborn child.
- H372: Causes damage to organs through prolonged or repeated exposure (Inhalation).
- H226: Flammable liquid and vapour.
- H319: Causes serious eye irritation.

### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

### 29 CFR 1910.1200:

- Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
- Acute Tox. 4: H332 - Harmful if inhaled.
- Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
- Carc. 2: H351 - Suspected of causing cancer.
- Eye Irrit. 2A: H319 - Causes serious eye irritation.
- Flam. Liq. 3: H226 - Flammable liquid and vapour.
- Flam. Liq. 4: H227 - Combustible liquid.
- Repr. 2: H361 - Suspected of damaging fertility or the unborn child.
- Skin Irrit. 2: H315 - Causes skin irritation.
- STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).
- STOT SE 3: H335 - May cause respiratory irritation.

### Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

### Principal bibliographical sources:

- CONTINUED ON NEXT PAGE -

## SECTION 16: OTHER INFORMATION (continued)

Occupational Safety & Health Administration (OSHA).

**Abbreviations and acronyms:**

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

IARC: International Agency for Research on Cancer

Date of compilation: 10/21/2022

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END OF SAFETY DATA SHEET