



1. PRODUCT AND COMPANY INFORMATION

i) Product Information

Product Name : **VURA Polifill-L**
Physical form : Liquid
Color : Colorless

ii) Company Information

Manufacturer : Vura Bau-Chemie LLP
Address : 1302, 13th Floor, Elite Business Hub, Sola, Ahmedabad 380060, Gujarat, India.
Tel : +91 79 4849 2890
Mail : care@vura.ae

2. HAZARDS INFORMATION

Properties/symbols:



R Phrases:

- H226 Flammable liquid and vapor
- R36/38 Irritating to eyes and skin.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
If brought into contact with
 - The eyes, the product causes irritation
 - The skin, the product may cause sensitization of the skin.

Precautionary statements:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Avoid breathing mist/vapors
- Wash hands thoroughly after handling
- Avoid release to the environment
- Wear protective gloves/protective clothing/eye protection/face protection
- If skin irritation or rash occurs: Get medical advice/attention
- If eye irritation persists: Get medical advice/attention

3. COMPOSITION / INGREDIENTS

| Ingredients | CAS No | Percentage (w/w%) |
|-----------------|------------|-------------------|
| Styrene Monomer | 100-42-5 | 20-40% |
| Polyester Resin | 26098-37-3 | 30-60% |
| Proprietary | | 1-5% |

4. FIRST-AID MEASURES

- i) Inhalation : Supply fresh air and consult a doctor.
- i) Skin contact : Remove contaminated clothing and rinsed immediately with plenty of running water, possibly with soap.
- ii) Eyes contact : Flush with plenty of water at least for 15 mins.
: Obtain medical assistance if symptoms persist.
- iii) Swallowing : Rinse out mouth, nose and throat.
: Seek medical assistance if symptoms persist.



5. FIRE FIGHTING MEASURES

- i) Fire hazard : In case of fire, toxic substances such as CO, HCl may get released.
- ii) Extinguishing media : Suitable extinguishing agents – CO₂ and powder or water spray.
- iii) Protection : Protective clothing and self- contained breathing equipment should be available for fireman. Do not inhale explosion or combustion gases.

6. ACCIDENTAL RELEASE MEASURES

- i) Personal protection : Wear gloves and goggle to clean up spills. Avoid skin contact.
- ii) Environmental precautions : Prevent the product contamination in soil and groundwater. Prevent entering into sewers and waterways.
- iii) Product Cleaning/ Recovery : Large spillages: Collect and pump into containers
Small spillages: Absorb on sand and collect into containers for disposal.

7. HANDLING AND STORAGE

- i) Handling : Good industrial and personnel hygiene practices should be followed. Avoid contact with skin and eyes, inhalation of vapors and mists.
- i) Storage : Keep only in the original container in a cool, well-ventilated place away from extremely high or low temperatures. Keep container closed when not in use.
- ii) Specific use : Use the best available methods of handing the products whereby employees enjoy maximum safety with minimum adverse effect on environment.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- i) Exposure limit values : No danger in ambient conditions.
Users should determine the conditions for safe use of the products.
 - ii) Exposure controls : Use Personal protective equipment: Avoid all unnecessary exposure.
Materials for protective clothing: In case of repeated or prolonged exposure use Chemical resistant protective apron/clothing
Hand protection: Wear protective gloves
Eye protection: Chemical goggles or safety glasses
Skin and body protection: Chemical resistant gloves
Chemical resistant safety shoes.
If on skin: Wash with plenty of soap and water.
Respiratory protection: Wear appropriate mask
- Other information : Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

- i) Physical state/Appearance : Liquid
- ii) Color : Colorless
- iii) Odor : Characteristic
- iv) pH value : NA
- v) Density (kg/l @ 27° C) : Approx. 1.12 g/cm³
- vi) Solubility in water : Not miscible
- vii) Flash point (°C) : NA
- viii) Auto-ignition temperature (°C) : NA
- ix) Explosive properties : No components with explosive properties
- x) Oxidizing properties : No component with oxidizing properties
- xi) Solid/gas flammability : NA



10. STABILITY AND REACTIVITY

- i) Conditions to avoid : Stable under the normal storage conditions.
- ii) Materials to avoid : Strong reducing agents, oxidizing agents and strong acids.
- iii) Hazardous decomposition : Possibly other toxic vapors in case of fire.

11. TOXICOLOGICAL INFORMATION

- On product : No toxicity data available for mixture
Under normal industrial conditions, there is no indication that the product can be considered as a health risk.
Skin contact should be avoided to prevent possible long - term or short - term sensation.

12. ECOLOGICAL INFORMATION

- i) Biodegradability : No data available on the preparation.
Adopt good industrial practices, so that the product is not released into the environment.
- ii) Eco-Toxicological Information : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- iii) Results of PBT and vPvB assessment: PBT-Not applicable
vPvB -Not applicable

13. DISPOSAL CONSIDERATION

Dispose of waste and residues in accordance with local authority requirements.
Avoid release to the environment.

14. TRANSPORT INFORMATION

- i) General information : Polyester Resin
- ii) Environmental hazards : No
ADR-Environmental Pollutant : No
IMDG-Marine Pollutant : No
- iii) Transport hazards : ADR - Class III (flammable liquid)
IMDG, IATA - Class III (flammable liquid)

15. REGULATORY INFORMATION

- i) Safety, health and environmental regulations/legislation specific for the substance or mixture
Named dangerous substances: None of the ingredients is listed
VOC: Not applicable.
- ii) Chemical safety assessment: No Chemical Safety Assessment has been carried out for the mixture

16. OTHERS INFORMATION

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as component in another product, this MSDS information may not be applicable.



1. PRODUCT AND COMPANY INFORMATION

i) Product Information

Product Name : **VURA Hardener B (Liquid)**
Physical form : Liquid
Color : Colorless

ii) Company Information

Manufacturer : Vura Bau-Chemie LLP
Address : 1302, 13th Floor, Elite Business Hub, Sola, Ahmedabad 380060, Gujarat, India.
Tel : +91 79 4849 2890
Mail : care@vura.ae

2. HAZARDS INFORMATION

Properties/symbols:



- H226 Flammable liquid and vapor
- H332 Harmful if swallowed or if inhaled
- H314 Causes skin burns and eye damage
 - The eyes, the product causes irritation
 - The skin, the product may cause sensitization of the skin

Precautionary statements:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- Avoid breathing mist/vapors
- Wash hands thoroughly after handling
- Avoid release to the environment
- Wear protective gloves/protective clothing/eye protection/face protection
- If skin irritation or rash occurs: Get medical advice/attention
- If eye irritation persists: Get medical advice/attention

3. COMPOSITION / INGREDIENTS

| Ingredients | CAS No | Percentage (w/w%) |
|---------------------|-----------|-------------------|
| 2-Butanone peroxide | 1338-23-4 | 15-60% |
| Butanone | 78-93-3 | 1-5% |

4. FIRST-AID MEASURES

- i) Inhalation : Supply fresh air and consult a doctor.
- i) Skin contact : Remove contaminated clothing and rinsed immediately with plenty of running water, possibly with soap.
- ii) Eyes contact : Flush with plenty of water at least for 15 mins.
: Obtain medical assistance if symptoms persist.
- iii) Swallowing : Rinse out mouth, nose and throat.
: Seek medical assistance if symptoms persist.



5. FIRE FIGHTING MEASURES

- i) Fire hazard : In case of fire, toxic substances such as CO, HCl may get released.
- ii) Extinguishing media : Suitable extinguishing agents – CO₂ and powder or water spray.
- iii) Protection : Protective clothing and self- contained breathing equipment should be available for fireman. Do not inhale explosion or combustion gases.

6. ACCIDENTAL RELEASE MEASURES

- i) Personal protection : Wear gloves and goggles to clean up spills. Avoid skin contact.
- ii) Environmental precautions : Prevent the product contamination in soil and groundwater. Prevent entering into sewers and waterways.
- iii) Product Cleaning/ Recovery : Large spillages : Collect and pump into containers
Small spillages : Absorb on sand and collect into containers for disposal.

7. HANDLING AND STORAGE

- i) Handling : Good industrial and personnel hygiene practices should be followed. Avoid contact with skin and eyes, inhalation of vapors and mists.
- i) Storage : Keep only in the original container in a cool, well-ventilated place away from extremely high or low temperatures. Keep container closed when not in use.
- ii) Specific use : Use the best available methods of handling the products whereby employees enjoy maximum safety with minimum adverse effect on environment.

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Materials for protective clothing: In case of repeated or prolonged exposure use Chemical resistant protective apron/clothing
Hand protection: Wear protective gloves
Eye protection: Chemical goggles or safety glasses
Skin and body protection: Chemical resistant gloves
Chemical resistant safety shoes.
If on skin: Wash with plenty of soap and water.
Respiratory protection: Wear appropriate mask
- Other information : Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

- i) Physical state/Appearance : Liquid
- ii) Color : Colorless
- iii) Odor : Weak
- iv) pH value : NA
- v) Density (@ 25° C) : Approx. 1.18 g/cm³
- vi) Solubility in water : Not miscible
- vii) Flash point (°C) : NA
- viii) Auto-ignition temperature (°C) : NA
- ix) Explosive properties : No components with explosive properties
- x) Oxidizing properties : Reacts with strong oxidizing agents



10. STABILITY AND REACTIVITY

- i) Conditions to avoid : Stable under the normal storage conditions.
- ii) Materials to avoid : Strong reducing agents, oxidizing agents and strong acids.
- iii) Hazardous decomposition : Possibly other toxic vapors in case of fire.

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- i) Biodegradability : No data available on the preparation.
Adopt good industrial practices, so that the product is not released into the environment.
- ii) Eco-Toxicological Information : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- iii) Results of PBT and vPvB assessment : PBT-Not applicable
vPvB -Not applicable

13. DISPOSAL CONSIDERATION

Dispose of waste and residues in accordance with local authority requirements.
Avoid release to the environment.

14. TRANSPORT INFORMATION

- i) General information : Mixture of Silane-siloxane
- ii) Environmental hazards
ADR-Environmental Pollutant : Yes
IMDG-Marine Pollutant : No
- iii) Transport hazards : ADR - Class 5.2 (flammable liquid)
IMDG, IATA - Class 5.2 (flammable liquid)

15. REGULATORY INFORMATION

- i) Safety, health and environmental regulations/legislation specific for the substance or mixture
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