

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

### **1.1. Product identifier**

AVA 3W, 4W, 5W

#### **Further trade name**

AVA 3W

AVA 4W

AVA 5W

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

#### **Use of the substance/mixture**

For industrial purposes only. Restricted to professional users. Intermediate

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

|               |                                                     |
|---------------|-----------------------------------------------------|
| Company name: | Sagar Drugs & Pharmaceuticals Pvt. Ltd.             |
| Street:       | 38/3 & 46/1 Kanbha Kuha Road, Singarwa, Tal Dascroi |
| Place:        | IND District Ahmedabad -382430, India               |
| Telephone:    | (O) +91 79 2630 8930                                |
| E-mail:       | sagarpatel@sagardrugs.com                           |

### **1.4. Emergency telephone number:** (O) +91 79 2630 8930

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

#### **Regulation (EC) No 1272/2008**

Flam. Sol. 2; H228

Skin Sens. 1; H317

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### **2.2. Label elements**

#### **Regulation (EC) No 1272/2008**

**Signal word:** Warning



#### **Pictograms:**

#### **Hazard statements:**

|      |                                                  |
|------|--------------------------------------------------|
| H228 | Flammable solid.                                 |
| H317 | May cause an allergic skin reaction.             |
| H411 | Toxic to aquatic life with long lasting effects. |

#### **Precautionary statements:**

|      |                                                                                                |
|------|------------------------------------------------------------------------------------------------|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P240 | Ground and bond container and receiving equipment.                                             |
| P243 | Take action to prevent static discharges.                                                      |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/ spray.                                             |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection.                     |

- P273 Avoid release to the environment.  
P302+P352 IF ON SKIN: Wash with plenty of water  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P391 Collect spillage.  
P501 Dispose of contents/container to an approved waste disposal plant.

### **2.3. Other hazards**

Results of PBT and vPvB assessment:

Due to missing data, not all ingredients could be reviewed on PBT and vPvB criteria.

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

### **3.2. Mixtures**

**Chemical characterization:** mixture with water

#### **Relevant ingredients**

| CAS No    | Chemical name                                 |                                                                                                                                  |         | Quantity  |
|-----------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------|-----------|
|           | EC No                                         | Index No                                                                                                                         | REACHNo |           |
|           | Classification (Regulation (EC) No 1272/2008) |                                                                                                                                  |         |           |
| 9003-34-3 | Poly-para dinitrosobenzene                    |                                                                                                                                  |         | 40 – 50 % |
|           |                                               | Flam. Sol. 2; H228; Skin Sens 1; H317; Aquatic Acute 1; H400; Aquatic Chronic 1, H410<br>M-Factor Acute =1; M-Factor Chronic = 1 |         |           |

Full text of H and EUH statements: see section 16.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Move victim to fresh air. Put victim at rest and keep warm.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of troubles or persistent symptoms consult doctor.

#### **After inhalation**

Provide fresh air. Move victim out of danger zone. In case of troubles or persistent symptoms consult doctor.

#### **After contact with skin**

Move victim out of danger zone. After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. In case of troubles or persistent symptoms consult doctor.

#### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. In case of troubles or persistent symptoms consult doctor.

#### **After ingestion**

Rinse mouth immediately and drink 1 glass of of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. If vomiting occurs spontaneously keep the head low. In case of troubles or persistent symptoms consult doctor.

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

No information available.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media**

Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder. Sand.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Keep container tightly closed. Pressurised container: May burst if heated. Irritating and/or toxic gases and particulates may be generated by thermal decomposition or combustion. This product contains a polymeric cross linking agent that depolymerizes at 130°C. In particular at low pressure during vulcanization processes this component can redeposit as a solid residue on cold surfaces (i. e. equipment parts). Dry residues of this component are sensitive to impact and friction. A regular wet clean up of affected surfaces is necessary. In case of fire may be liberated: Carbon monoxide, Carbon dioxide. Nitrogen oxides (NO<sub>x</sub>).

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Move undamaged containers from immediate hazard area if it can be done safely.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**General advice**

Remove all sources of ignition.

Wear personal protection equipment (refer to section 8).

Safe handling: see section 7

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment.

**6.3. Methods and material for containment and cleaning up**

**For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. For cleaning up Remove all sources of ignition. Provide adequate ventilation. Other information Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

**Other information**

Remove all sources of ignition.

Provide adequate ventilation.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Avoid contact with skin, eyes and clothes. Provide adequate ventilation.

Wear personal protection equipment (refer to section 8).

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

**Advice on general occupational hygiene**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

## **7.2. Conditions for safe storage, including any incompatibilities**

### **Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### **Hints on joint storage**

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

## **7.3. Specific end use(s)**

In case of special use, contact supplier.

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

### **8.1. Control parameters**

#### **Additional advice on limit values**

To date, no national critical limit values exist.

### **8.2. Exposure controls**



#### **Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

#### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

Wear eye/face protection. Eye protection has to be compatible with respiratory protection.

##### **Hand protection**

Tested protective gloves are to be worn: Suitable gloves type: neoprene; NBR (Nitrile rubber); Butyl caoutchouc (butyl rubber) For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Protective gloves have to be replaced at the first sign of deterioration.

##### **Skin protection**

Use of protective clothing.

##### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

Combination filtering device; Filter type: A2P3 Respiratory protection

##### **Environmental exposure controls**

Do not allow uncontrolled discharge of product into the environment.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

|                                            |                                        |
|--------------------------------------------|----------------------------------------|
| Physical state:                            | Solid                                  |
| Colour:                                    | yellow-brown; orange-brown; dark brown |
| Odour:                                     | mild                                   |
| Odour threshold:                           | No data available                      |
| Melting point/freezing point:              | No data available                      |
| Boiling point or initial boiling point and | No data available                      |

|                                        |                               |
|----------------------------------------|-------------------------------|
| Boiling range:                         |                               |
| Flammability:                          | not applicable                |
| Lower explosion limits:                | No data available             |
| Upper explosion limits:                | No data available             |
| Flash point:                           | not applicable                |
| Auto-ignition temperature:             | not determined                |
| Decomposition temperature:             | No data available             |
| pH-Value:                              | 7 - 8 (concentrated solution) |
| Viscosity / kinematic:                 | No data available             |
| Water solubility:                      | miscible                      |
| Solubility in other solvents:          | not determined                |
| Partition coefficient n-octanol/water: | not determined                |
| Vapour pressure:                       | No data available             |
| Density:                               | No data available             |
| Relative vapour density:               | No data available             |
| Particle characteristics:              | not applicable                |

## **9.2. Other information**

### **Information with regard to physical hazard classes**

#### Explosive properties:

The product is not Explosive.

#### Oxidizing properties:

The product is not oxidising.

### **Other safety characteristics**

#### Viscosity / dynamic:

No data available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Keep product wet. This product contains a polymeric cross linking agent that depolymerizes at 130°C. In particular at low pressure during vulcanization processes this component can re-deposit as a solid residue on cold surfaces (i. e. equipment parts).

### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**

Hazardous polymerisation will not occur under normal conditions.

### **10.4. Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### **10.5. Incompatible materials**

Strong acid; Oxidizing agents, strong.

### **10.6. Hazardous decomposition products**

Decomposition products in case of fire: see section 5.

## **SECTION 11: Toxicological information**

### **11.1. Information on hazard classes as defined in GB CLP Regulation**

#### **Acute toxicity**

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

#### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met. Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

May cause an allergic skin reaction.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met. Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards**

Endocrine disrupting properties see section 12

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Toxicity to daphnia**

Poly-para dinitrosobenzene, EC50 48h (Daphnia magna) 0.79 mg/l

**12.2. Persistence and degradability**

Not readily biodegradable

**12.3. Bioaccumulative potential**

The product has not been tested.

**12.4. Mobility in soil**

The product has not been tested.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to (EU) REACh. The product has not been tested.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

|                                          |                                                              |
|------------------------------------------|--------------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | UN 1325                                                      |
| <b>14.2. UN proper shipping name:</b>    | FLAMMABLE SOLID, ORGANIC, N.O.S. (Poly-paradinitrosobenzene) |
| <b>14.3. Transport hazard class(es):</b> | 4.1                                                          |
| <b>14.4. Packing group:</b>              | III                                                          |
| Hazard label:                            | 4.1                                                          |
| Classification code:                     | F1                                                           |
| Special Provisions:                      | 274                                                          |
| Limited quantity:                        | 5 kg                                                         |
| Excepted quantity:                       | E1                                                           |
| Transport category:                      | 3                                                            |
| Hazard No:                               | 40                                                           |
| Tunnel restriction code:                 | E                                                            |



**Inland waterways transport (ADN)**

|                                          |                                                              |
|------------------------------------------|--------------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | UN 1325                                                      |
| <b>14.2. UN proper shipping name:</b>    | FLAMMABLE SOLID, ORGANIC, N.O.S. (Poly-paradinitrosobenzene) |
| <b>14.3. Transport hazard class(es):</b> | 4.1                                                          |
| <b>14.4. Packing group:</b>              | III                                                          |
| Hazard label: 4.1                        |                                                              |
| Classification code:                     | F1                                                           |
| Special Provisions:                      | 274                                                          |
| Limited quantity:                        | 5 kg                                                         |
| Excepted quantity:                       | E1                                                           |



**Marine transport (IMDG)**

|                                          |                                                              |
|------------------------------------------|--------------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | UN 1325                                                      |
| <b>14.2. UN proper shipping name:</b>    | FLAMMABLE SOLID, ORGANIC, N.O.S. (Poly-paradinitrosobenzene) |
| <b>14.3. Transport hazard class(es):</b> | 4.1                                                          |
| <b>14.4. Packing group:</b>              | III                                                          |
| Hazard label: 4.1                        |                                                              |
| Special Provisions:                      | 223 274                                                      |
| Limited quantity:                        | 5 kg                                                         |
| Excepted quantity:                       | E1                                                           |
| EmS:                                     | F-A, S-G                                                     |



**Air transport (ICAO-TI/IATA-DGR)**

|                                          |                                                              |
|------------------------------------------|--------------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | UN 1325                                                      |
| <b>14.2. UN proper shipping name:</b>    | FLAMMABLE SOLID, ORGANIC, N.O.S. (Poly-paradinitrosobenzene) |
| <b>14.3. Transport hazard class(es):</b> | 4.1                                                          |
| <b>14.4. Packing group:</b>              | III                                                          |
| Hazard label: 4.1                        |                                                              |
| Special Provisions:                      | A3 A803                                                      |
| Limited quantity Passenger:              | 10 kg                                                        |



Passenger LQ: Y443  
 Excepted quantity: E1  
 IATA-packing instructions - Passenger: 446  
 IATA-max. quantity - Passenger: 25 kg  
 IATA-packing instructions - Cargo: 449  
 IATA-max. quantity - Cargo: 100 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: Yes

**14.6. Special precautions for user**

Warning: flammable solids



**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**Other applicable information**

Hazchem code: 1Z

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

Directive 2010/75/EU on industrial emissions:

< 1%

Information according to Directive 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

2 - obviously hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Changes**

Initial version

#### Abbreviations and acronyms

Flam. Sol: Flammable solid  
 Skin Sens: Skin sensitisation  
 CLP: Classification, labelling and Packaging  
 REACH: Registration, Evaluation and Authorization of Chemicals  
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
 UN: United Nations  
 EC/EEC: European Community/European Economic Community  
 EU: European Union  
 CAS: Chemical Abstracts Service  
 DNEL: Derived No Effect Level  
 DMEL: Derived Minimal Effect Level  
 PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 PBT: persistent, bioaccumulative, toxic  
 vPvB: very persistent, very bioaccumulative  
 M-factor: Multiplying factor  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
 IMDG: International Maritime Code for Dangerous Goods  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 IATA: International Air Transport Association  
 DGR: Dangerous Goods Regulations  
 ICAO: International Civil Aviation Organization TI: Technical Instructions  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 SVHC: Substance of Very High Concern  
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### Classification for mixtures and used evaluation method according to EU CLP Regulation

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Flam. Sol. 2; H228      | On basis of test data    |
| Skin Sens. 1; H317      | On basis of test data    |
| Aquatic Chronic 1; H411 | Calculation method       |



**Safety Data Sheet**  
according to (EC) No 1907/2006



Sagar Drugs & Pharmaceuticals Pvt. Ltd.

Revision date: 11.02.2025

**AVA 3W, AVA 4 W, AVA 5W**

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**Relevant H and EUH statements (number and full text)**

- H228 Flammable solid.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Safety Data Sheet scheduled from:

REACH ChemConsult GmbH, Strehlener Str. 14, D-01069 Dresden  
info@reach-chemconsult.com

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(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)