

SOLVENT BROWN 43

1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:

Color index name: C.I. SOLVENT BROWN 43
CAS no: 61116-28-7
EC no: -
Product use: Colorant / Dyestuffs

1.2 IDENTIFICATION OF THE COMPANY:

RAR Resin & Chemical Industries JLT
11th Floor, Jumeirah Lake Towers, P.O. Box: 47381, Dubai UAE
Tel: +971 4 4356516 / +971 4 4356517 Email: info@rarresin.com
Fax: +971 4 4356518 Website: www.rarresin.com

2 HAZARD IDENTIFICATION

Classification of the substance or mixture

Classification according to: This product does not meet the criteria for classification in any hazard class according to CLP on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No 1272/2008 [CLP]

Label elements:

Labelling according to: No labelling information (such as hazard pictogram, signal word, hazard statement, precautionary statement) available. This product does not meet the criteria for classification in any hazard class according to CLP on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No 1272/2008 [CLP]

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance / preparation: Substance

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4 FIRST-AID MEASURES

Inhalation: Move exposed person 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. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under to be kept under medical surveillance for 48 hours.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Ingestion: Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If materials has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

personnel. Get medical attention if symptoms occur.

- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.
- 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.

5 FIRE-FIGHTING MEASURES

Extinguishing media:

- Suitable:** Use an extinguishing agent suitable for the surrounding fire.
- Not suitable:** None known.

- Special exposure hazards:** No specific fire or explosion hazard.
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.

- Hazardous combustion products:** Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, nitrogen oxides. Other toxic combustion products are also possible.

- 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.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions:** 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. Put on appropriate personal protective equipment.

- 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)

- Large spill:** Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

- Small spill:** Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

7 HANDLING AND STORAGE

Handling:

Put on appropriate personal protective equipment.
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.

Storage:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food/drink.
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.

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user's responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

| | |
|---|--|
| Occupational exposure limit: values | There are no currently occupational exposure limit values established for the substance. |
| DNEL (Derived No Effect: Level) for workers | There are no DNEL values for workers established for the substance. |
| DNEL (Derived No Effect: Level) for the general population | There are no DNEL values for the general population established for the substance. |
| PNEC (Predicted No Effect: Concentration) values | There are no PNEC values established for the substance. |

EXPOSURE CONTROLS

Recommended monitoring:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and / or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Occupational exposure: controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Respiratory protection:

If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. Use 2 properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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.

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.

Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin protection:

Personal protective equipment for the body should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling this product.

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 process equipment will be necessary to reduce emissions to acceptable levels.

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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

9 PHYSICAL AND CHEMICALS PROPERTIES

Information on basic physical and chemical properties:

| | |
|---------------------|--|
| Appearance: | Brown powder |
| Flash point: | Closed cup: Not applicable |
| Density: | No data available |
| Solubility: | Almost insoluble in the following materials: cold water and hot water. |

10 STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity: | Stable under recommended storage and handling conditions |
| Chemical stability: | The product is stable. |
| Possibility of hazardous reactions | No hazardous reactions known. |
| Conditions to avoid: | No specific data. |
| Incompatible materials: | No specific data. |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

11 TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution

No relevant information available.

Potential acute health effects

| | |
|----------------------|--|
| Inhalation: | Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| Ingestion: | No known significant effects or critical hazards. |
| Skin contact: | No known significant effects or critical hazards. |
| Eye contact: | No known significant effects or critical hazards. |

Acute toxicity

| Product / ingredient name | Result | Species | Dose | Exposition |
|---------------------------|-----------|---------|--------------------|------------|
| Solvent Brown 43 | LD50 Oral | Rat | No data available. | |

Skin corrosion / irritation

No known significant effects or critical hazards.

Serious eye damage / irritation

No known significant effects or critical hazards.

Respiratory or skin sensitization

No known significant effects or critical hazards.

CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction)

No known significant effects or critical hazards

STOT-single exposure and repeated exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional information

No known significant effects or critical hazards.

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

12 ENVIRONMENTAL INFORMATION

| | |
|---------------------------------------|--|
| Toxicity: | Quantitative data on the acute fish/daphnia/algae/bacteria toxicity of this product are not available. |
| Persistence and degradability: | There is no data known associated with this product. |
| Bioaccumulative potential: | There is no data known associated with this product. |
| Mobility in soil: | There is no data known associated with this product. |
| Result of PBT and vPvB: | PBT/vPvB assessment information is not available as chemical safety assessment not conducted. |

13 DISPOSAL CONSIDERATIONS

| | |
|-----------------------------|--|
| Methods of disposal: | The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilt material and run-off and contact with soil, waterways, drains and sewers. |
|-----------------------------|--|

14 TRANSPORT INFORMATION

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.

Sea

| | |
|----------------------------|---------------|
| Special provisions: | Not available |
| Marine pollutant: | No. |

Air

| | |
|--|----------------|
| Special provisions: | Not available. |
| This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA | |

15 LEGAL REGULATIONS

EU regulation:

| | |
|---|---|
| EINECS or ELINCS: | All the ingredients in the product are listed in. |
| EU Directives 67/548/EEC and/or 1999/45/EC | This product is not classified according to EU legislation. |
| Hazard class for water: | WGK 1, low hazard to waters (VwVwS, Germany) |

16 Other Information

History

| | | | |
|------------------------|--------------|---------------|--------------|
| Date of printing | : 06.01.2013 | Date of issue | : 06.01.2013 |
| Date of previous issue | : 01.10.2013 | Version | : 3.0 |

Notice to reader

to the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.