

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** AD77.R Power Steering Service Kit (Red)  
**Other means of identification** Not available.  
**Recommended use** Power steering service kit.  
**Recommended restrictions** None known.  
**Manufacturer / Importer / Supplier / Distributor information**  
**Manufacturer/Supplier** Granitize Products, Inc.  
11022 Vulcan Street  
South Gate, CA 90280-0893 US  
**Telephone:** (562) 923-5438  
**Emergency** CHEMTREC: (800) 424-9300  
CHEMTREC International: 00 1-703-527-3887

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**OSHA defined hazards** Not classified.  
**Label elements**  
**Hazard symbol** None.  
**Signal word** None.  
**Hazard statement** Not available.  
**Precautionary statement**  
**Prevention** Observe good industrial hygiene practices.  
**Response** Wash thoroughly after handling.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of waste and residues in accordance with local authority requirements.  
**Hazard(s) not otherwise classified (HNOC)** Not classified.

## 3. Composition/information on ingredients

### Substances

| Chemical name  | Common name and synonyms | CAS number | %    |
|--|--------------------------|------------|------|
| Distillates (petroleum), hydrotreated heavy paraffinic |                          | 64742-54-7 | <100 |
| Distillates (petroleum), hydrotreated heavy naphthenic |                          | 64742-52-5 | <5   |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.  
**Skin contact** Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.  
**Eye contact** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.  
**Ingestion** Seek medical advice.  
**Most important symptoms/effects, acute and delayed** Direct contact with eyes may cause temporary irritation.

## 5. Fire-fighting measures

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

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|--|--|
| <b>Unsuitable extinguishing media</b>                                | Do not use water. Will float on water and can be re-ignited.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Fire-fighting equipment/instructions</b>                          | Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Avoid inhalation of vapors and contact with skin and eyes. Local authorities should be advised if significant spillages cannot be contained. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.   |
| <b>Methods and materials for containment and cleaning up</b>               | Collect in approved containers and seal securely. Collect and dispose of spillage as indicated in section 13 of the SDS. Dike for later disposal.<br><br>Large Spills: Remove material, as much as possible, using mechanical equipment. Flush area with water. Prevent runoff from entering drains, sewers, or streams.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).<br><br>Never return spills in original containers for re-use. |
| <b>Environmental precautions</b>   | Prevent further leakage or spillage if safe to do so. Do not contaminate water.   |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Handle and open container with care. Do not taste or swallow. Avoid contact with skin and eyes. Wash thoroughly after handling. Use Personal Protective Equipment recommended in section 8 of the SDS. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep this material away from food, drink and animal feed.  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components  | Type | Value                            | Form  |
|---|------|----------------------------------|-------|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | PEL  | 5 mg/m3                          | Mist. |
| Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) | PEL  | 2000 mg/m3<br>500 ppm<br>5 mg/m3 | Mist. |

#### US. ACGIH Threshold Limit Values

| Components  | Type | Value   | Form                |
|---|------|---------|---------------------|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA  | 5 mg/m3 | Inhalable fraction. |
| Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) | TWA  | 5 mg/m3 | Inhalable fraction. |

#### US NIOSH Pocket Guide to Chemical Hazards: Recommended exposure limit (REL)

| Components  | Type | Value   | Form  |
|---|------|---------|-------|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA  | 5 mg/m3 | Mist. |
| Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) | TWA  | 5 mg/m3 | Mist. |

## US NIOSH Pocket Guide to Chemical Hazards: Short Term Exposure Limit (STEL)

| Components   | Type   | Value                | Form  |
|--|--|----------------------|-------|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)      | STEL   | 10 mg/m <sup>3</sup> | Mist. |
| Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)      | STEL   | 10 mg/m <sup>3</sup> | Mist. |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).   |                      |       |
| <b>Exposure guidelines</b>   | Follow standard monitoring procedures.   |                      |       |
| <b>Appropriate engineering controls</b>                                      | Ensure adequate ventilation, especially in confined areas.   |                      |       |
| <b>Individual protection measures, such as personal protective equipment</b> |  |                      |       |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).  |                      |       |
| <b>Skin protection</b>   |  |                      |       |
| <b>Hand protection</b>   | Wear protective gloves.  |                      |       |
| <b>Other</b>   | Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.  |                      |       |
| <b>Respiratory protection</b>  | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. |                      |       |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.  |                      |       |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.  |                      |       |

## 9. Physical and chemical properties

|   |                            |
|---|----------------------------|
| <b>Appearance</b>                                   | Red oily liquid.           |
| <b>Physical state</b>                               | Liquid.                    |
| <b>Form</b>   | Liquid.                    |
| <b>Color</b>  | Red.                       |
| <b>Odor</b>   | Petroleum odor.            |
| <b>Odor threshold</b>                               | Not available.             |
| <b>pH</b>   | Not available.             |
| <b>Melting point/freezing point</b>                 | Not available.             |
| <b>Initial boiling point and boiling range</b>      | Not available.             |
| <b>Flash point</b>                                  | > 392.0 °F (> 200.0 °C)    |
| <b>Evaporation rate</b>                             | < 1 (Ether = 1)            |
| <b>Flammability (solid, gas)</b>                    | Not available.             |
| <b>Upper/lower flammability or explosive limits</b> |                            |
| <b>Flammability limit - lower (%)</b>               | Not available.             |
| <b>Flammability limit - upper (%)</b>               | Not available.             |
| <b>Explosive limit - lower (%)</b>                  | Not available.             |
| <b>Explosive limit - upper (%)</b>                  | Not available.             |
| <b>Vapor pressure</b>                               | < 0.01 mm Hg (20 °C/68 °F) |
| <b>Vapor density</b>                                | Heavier than air.          |
| <b>Relative density</b>                             | 0.842                      |
| <b>Solubility(ies)</b>                              | Negligible in water.       |
| <b>Partition coefficient (n-octanol/water)</b>      | No data available.         |

|                                  |                |
|----------------------------------|----------------|
| <b>Auto-ignition temperature</b> | Not available. |
| <b>Decomposition temperature</b> | Not available. |
| <b>Viscosity</b>                 | Not available. |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.   |
| <b>Incompatible materials</b>             | Strong oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.                                     |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Ingestion</b>    | No harmful effects expected in amounts likely to be ingested by accident.                     |
| <b>Inhalation</b>   | In high concentrations, vapors may irritate throat and respiratory system and cause coughing. |
| <b>Skin contact</b> | Prolonged contact may cause dryness of the skin.  |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.                                      |

|   |  |
|---|--|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Direct contact with eyes may cause temporary irritation. |
|---|--|

### Information on toxicological effects

|  |  |
|--|--|
| <b>Acute toxicity</b>                    | Under normal conditions of intended use, this material does not pose a risk to health. |
| <b>Skin corrosion/irritation</b>         | Prolonged skin contact may cause temporary irritation.                                 |
| <b>Serious eye damage/eye irritation</b> | Not classified.  |
| <b>Respiratory sensitization</b>         | Not classified.  |
| <b>Skin sensitization</b>                | Not a skin sensitizer.   |
| <b>Germ cell mutagenicity</b>            | Not classified.  |
| <b>Carcinogenicity</b>                   | Not classified.  |

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) 3 Not classifiable as to carcinogenicity to humans.

|   |                 |
|---|-----------------|
| <b>Reproductive toxicity</b>                              | Not classified. |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified. |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified. |
| <b>Aspiration hazard</b>                                  | Not classified. |

## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Ecotoxicity</b>                   | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| <b>Persistence and degradability</b> | No data available.   |
| <b>Bioaccumulative potential</b>     | No data available.   |
| <b>Mobility in soil</b>              | No data available.   |
| <b>Other adverse effects</b>         | Not available.   |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261. |
| <b>Hazardous waste code</b>                  | Waste codes should be assigned by the user based on the application for which the product was used.  |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations.   |

Contaminated packaging Not applicable.

## 14. Transport information

### DOT

Not regulated as a hazardous material by DOT.

### IATA

Not regulated as a dangerous good.

### IMDG

Not regulated as a dangerous good.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.

## 15. Regulatory information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
Not regulated.

### Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**  
Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**  
Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

### US. Massachusetts RTK - Substance List

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

### US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

### US. Pennsylvania RTK - Hazardous Substances

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

### US. Rhode Island RTK

Not regulated.

### US. California Proposition 65

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**  
Not listed.

### International Inventories

| Country(s) or region | Inventory name                                     | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS) | Yes                    |

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

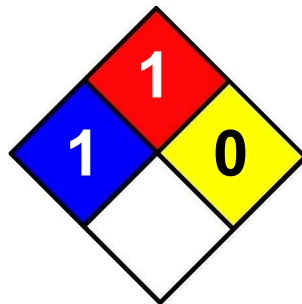
## 16. Other information, including date of preparation or last revision

**Issue date** 24-October-2013

**Revision date** -

**Version #** 01

**NFPA Ratings**



**References**

ACGIH  
 EPA: Acquire database  
 NLM: Hazardous Substances Data Base  
 US. IARC Monographs on Occupational Exposures to Chemical Agents

**Disclaimer**

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.