



ZEP Manufacturing Company  
 Acuity Specialty Products Group, Inc.  
 P.O. Box 2015  
 Atlanta, GA 30301  
 1-877-I-BUY-ZEP (428-9937)  
 www.zep.com

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEP TIRELESS SHINE  
**Product Use** Aerosol Tire Dressing  
**Product Code** 0063  
**Date of issue** 12/28/04 **Supersedes** 02/12/04

**Emergency Telephone Numbers** For MSDS Information:  
 Acuity Specialty Products Group, Inc.  
 Compliance Services 1-877-I-BUY-ZEP (428-9937)

**For Medical Emergency**  
 INFOTRAC:  
 (877) 541-2016 Toll Free - All Calls Recorded

**For a Transportation Emergency**  
 CHEMTREC:  
 (800) 424-9300 - All Calls Recorded  
 In the District of Columbia (202) 483-7616

Printing date: 12/28/04

**Prepared by** Compliance Services Group  
 Acuity Specialty Products Group  
 1420 Seaboard Industrial Blvd.  
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## Section 2. Composition, Information on Ingredients

| Name of Hazardous Ingredients | CAS #       | % by Weight | Exposure Limits                                                                                              |
|-------------------------------|-------------|-------------|--------------------------------------------------------------------------------------------------------------|
| PROPRIETARY SOLVENT BLEND     | Proprietary | 70-80       | OSHA PEL (United States).<br>TWA: 500 ppm 8 hour(s).<br>ACGIH TLV (United States).<br>TWA: 50 ppm 8 hour(s). |

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Dermal contact. Inhalation.

**Skin** Hazardous in case of skin contact (irritant, permeator). Direct contact may cause irritation and redness. Skin inflammation is characterized by itching, scaling, or reddening. Prolonged or repeated contact may dry skin and cause irritation.

**Eyes** Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation** Hazardous in case of inhalation (lung irritant). Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system depression. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

**Ingestion** Harmful if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage. Vomiting increases risk of chemical pneumonia.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects** Over-exposure by inhalation or absorption can cause central nervous system depression. Prolonged skin contact may cause dermatitis with drying and cracking of skin. Repeated or prolonged exposure to the substance can produce damage to liver.

See Toxicological Information (section 11)

### HMIS

|                     |   |
|---------------------|---|
| Health              | 1 |
| Fire Hazard         | 4 |
| Reactivity          | 0 |
| Personal Protection | B |

## Section 4. First Aid Measures


**Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

**Skin Contact** Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. If irritation persists, get medical attention.

**Inhalation** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** Aspiration hazard if swallowed- can enter lungs and cause damage. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. NEVER give an unconscious person anything to ingest. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

|                                 |                                                                                                                                                                                                                                                |                                                 |                                                                                     |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Flash Point</b>              | Closed cup: <-18°C (<0°F)<br>(Tagliabue.)                                                                                                                                                                                                      | <b>Flammable Limits</b> LOWER: 1.2% UPPER: 6.7% |  |
| <b>Flammability</b>             | Extremely flammable. (CSMA) Aerosol that may flashback.                                                                                                                                                                                        |                                                 |                                                                                     |
| <b>Fire Hazard</b>              | FLAMMABLE LIQUID AND VAPOR. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions or when heated. |                                                 |                                                                                     |
| <b>Fire-Fighting Procedures</b> | Use dry chemical or CO <sub>2</sub> . Wear special protective clothing and positive pressure, self-contained breathing apparatus. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.     |                                                 |                                                                                     |


**Section 6. Accidental Release Measures**

**Spill Clean up** Large spills are unlikely due to packaging.

**Section 7. Handling and Storage**

|                 |                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | Extremely flammable liquid and vapor. Store and use away from heat, sparks, open flame, or any other ignition source. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing. |
| <b>Storage</b>  | CONTENTS UNDER PRESSURE. Store and use away from heat, sparks, open flame, or any other ignition source. Keep away from heat and direct sunlight. Keep container in a cool, well-ventilated area. Do not store above 120°F (49°C). Do not puncture or incinerate. Keep out of the reach of children.                    |

**Section 8. Exposure Controls, Personal Protection****Personal Protection****Protective Clothing (Pictograms)**

|                    |                                                                                                                                                                                                                                                                                                               |                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Eyes</b>        | Safety glasses.                                                                                                                                                                                                                                                                                               |  |
| <b>Body</b>        | Chemical resistant gloves. (Viton, Nitrile, Neoprene)                                                                                                                                                                                                                                                         |                                                                                     |
| <b>Respiratory</b> | Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Wear appropriate respirator when ventilation is inadequate. Approved/certified respirator with organic vapor cartridges. |                                                                                     |

**Section 9. Physical and Chemical Properties**

|                         |                                     |                         |                               |
|-------------------------|-------------------------------------|-------------------------|-------------------------------|
| <b>Physical State</b>   | Liquid. (Aerosol.)                  | <b>Color</b>            | Clear , Colorless.            |
| <b>pH</b>               | Not applicable.                     | <b>Odor</b>             | Hydrocarbon. (Slight.)        |
| <b>Boiling Point</b>    | 143°C (290°F) Initial               | <b>Vapor Pressure</b>   | Not determined.               |
| <b>Specific Gravity</b> | 0.73 (Water = 1)                    | <b>Vapor Density</b>    | >1 (Air = 1)                  |
| <b>Solubility</b>       | Insoluble in cold water, hot water. | <b>Evaporation Rate</b> | Not determined.               |
|                         |                                     | <b>VOC (Consumer)</b>   | 70.9% 4.33 (lb/gal) 519 (g/l) |

**Section 10. Stability and Reactivity**

|                                         |                                                                            |
|-----------------------------------------|----------------------------------------------------------------------------|
| <b>Stability and Reactivity</b>         | The product is stable.                                                     |
| <b>Incompatibility</b>                  | Avoid contact with strong oxidizers, excessive heat, sparks or open flame. |
| <b>Hazardous Polymerization</b>         | Will not occur.                                                            |
| <b>Hazardous Decomposition Products</b> | Carbon Dioxide, Carbon Monoxide and other organic materials. .             |

**Section 11. Toxicological Information**

|                            |                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------|
| <b>Toxicity to Animals</b> | <b>Proprietary Ingredient:</b>                                                             |
|                            | VAPOR (LC50): Acute: 3400 ppm 4 hour(s) [Rat].                                             |
|                            | <b>Proprietary Ingredient:</b>                                                             |
|                            | ORAL (LD50): Acute: 4700 mg/kg [Rat].                                                      |
|                            | DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].                                                |
|                            | VAPOR (LC50): Acute: 22500 ppm 8 hour(s) [Rat (Male)]. 19000 ppm 8 hour(s) [Rat (Female)]. |

**Section 12. Ecological Information**

|                           |                |
|---------------------------|----------------|
| <b>Ecotoxicity</b>        | Not available. |
| <b>Biodegradable/OECD</b> | Not available. |

**Section 13. Disposal Considerations**

|                          |                                                                                                          |                     |                                                                               |
|--------------------------|----------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------|
| <b>Waste Information</b> | Waste must be disposed of in accordance with federal, state and local environmental control regulations. | <b>Waste Stream</b> | Code: D001<br>Classification: - (Hazardous waste.)<br>Origin: - (RCRA waste.) |
|--------------------------|----------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------|

Consult your local or regional authorities.

**Section 14. Transport Information****Proper shipping name** Consumer Commodity**DOT Classification** ORM-D**UN number** Not regulated.

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:  
No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

**Section 16. Other Information**

*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 material 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.*