

Material Safety Data Sheet



Zep Sales & Service, A Unit of Zep Inc.
1310 Seaboard Industrial Blvd.
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1-877-I-BUY-ZEP (428-9937)
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Section 1. Chemical Product and Company Identification

Product name ZEP TIRELESS SHINE (LIQUID)
Product use Tire Dressing
Product code 0630
Date of issue 04/21/08 **Supersedes** 12/30/04

Emergency Telephone Numbers

For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency

INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

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Prepared By

Compliance Services
1420 Seaboard Industrial Blvd.
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Section 2. Hazards Identification

Emergency overview

*Hazard Determination System (HDS): Health, Flammability, Reactivity

DANGER !



EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. Keep away from sources of ignition - No smoking. CAUSES EYE AND SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED. DO NOT breathe vapors or spray mist.

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

Acute Effects

Routes of Entry

Absorbed through skin. Inhalation.

Eyes

Contact may cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin

Direct contact may cause irritation and redness. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering. Product may be dermal absorbed. Defatting properties, may aggravate an existing dermatitis

Inhalation

Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

Ingestion

Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Vomiting increases risk of chemical pneumonia or pulmonary edema caused by aspiration of hydrocarbon solvents.

Chronic effects

Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Contains material which may cause damage to the following organs: kidneys, lungs, liver, heart, brain, eyes, central nervous system (CNS), ears, and pancreas. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

PROPRIETARY SOLVENT BLEND

Proprietary

70 - 80

Section 4. First Aid Measures

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 immediately.

Skin Contact

Immediately wash with water and soap and rinse thoroughly. Get medical attention if irritation develops.

Inhalation

Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion ASPIRATION HAZARD. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point Closed cup: <-18°C (<0°F)
(Tagliabue.)

Flammable Limits Lower: 1.2% Upper: 6.7%

Flammability Extremely flammable in the presence of open flames, sparks and static discharge, of heat, of oxidizing materials.

Fire hazard Extremely flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

Fire-Fighting Procedures Use dry chemical or CO₂. Wear special protective clothing and positive pressure, self-contained breathing apparatus. Cool containing vessels with flooding quantities of water until well after fire is out.

Section 6. Accidental Release Measures

Spill Clean up Eliminate all ignition sources. Put on appropriate personal protective equipment (see section 8). Absorb with an inert material and place in an appropriate waste disposal container. To clean the floor and all objects contaminated by this material, use detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling Extremely flammable liquid and vapor. Store and use away from heat, sparks, open flame or any other ignition source. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not ingest. Wash thoroughly after handling. Wash contaminated clothing before reusing.

Storage Avoid all possible sources of ignition (spark or flame). Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C).

Section 8. Exposure Controls/Personal Protection

Product name

PROPRIETARY SOLVENT BLEND

Exposure limits

OSHA PEL (United States).
TWA: 500 ppm 8 hour(s).
ACGIH TLV (United States).
TWA: 50 ppm 8 hour(s).

Personal Protective Equipment (PPE)

Eyes Splash goggles.



Body Chemical resistant gloves. (Viton, Nitrile, Neoprene)

Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate. Approved/certified respirator with organic vapor cartridge.

Section 9. Physical and Chemical Properties

Physical State Liquid.

Color Clear, Colorless.

pH Not applicable.

Odor Hydrocarbon.

Boiling Point 64°C (147.2°F)

Vapor Pressure Not available.

Specific Gravity 0.72 (Water = 1)

Vapor Density Not available.

Solubility Insoluble in cold water, hot water.

Evaporation Rate >1 compared with Butyl acetate.

VOC (Consumer) 74.0% 4.44 (lb/gal) 532 (g/l)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Carbon dioxide (CO₂), Carbon monoxide, and other organic materials.

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Proprietary Ingredient	LD50 Oral	Mouse	15000 mg/kg	-
	LC50 Inhalation Gas.	Mouse	18295 ppm	2 hours

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity


Not available.

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: D001
 Classification: - (Hazardous waste.)
 Origin: - (RCRA waste.)

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	1993	Flammable liquid, n.o.s. (Heptane, Isopropyl Alcohol)			
IMDG Class					

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.

PG* : Packing group

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 307: 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.

State Regulations**California Prop 65**

WARNING: This product contains a chemical or chemicals known to the state of California to cause birth defects or other reproductive harm. : Toluene

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.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.