

BRC Premium Tire Shine

Section 1: IDENTIFICATION

Product name BRC Premium Tire Shine Other names n/a

Recommended use/restrictions cleaning
Use only as recommended on label or tech sheet.




Distributor/manufacturer Brothers Research Corporation
2245 Airpark Drive
Burlington, NC 27215
336.229.6480 or 1-800-638-7245

EMERGENCY TELEPHONE NUMBER (24-hours daily) CHEMTREC 1.800.424.9300

Section 2: HAZARDS IDENTIFICATION

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard classification ASPIRATION HAZARD, Category 1
SKIN CORROSION/IRRITATION, Category 2
EYE DAMAGE/IRRITATION, Category 2B
FLAMMABLE LIQUIDS, Category 2
ACUTE TOXICITY - DERMAL, Category 4
ACUTE TOXICITY - INHALATION, Category 4

	<p>EMERGENCY OVERVIEW</p> <p>Blue liquid with bubble gum odor</p> <p>DANGER</p> <p>May be fatal if swallowed and enters airways</p> <p>Causes skin and eye irritation</p>	
	<p>Highly flammable liquid and vapor</p> <p>Harmful in contact with skin</p> <p>Harmful if inhaled</p> <p>This material is harmful to aquatic life.</p>	
		

PRECAUTIONARY STATEMENTS

Prevention	<p>Wash hands thoroughly after handling.</p> <p>Wear protective gloves and eye protection.</p> <p>Keep away from heat, sparks, open flames, and hot surfaces.—No smoking.</p> <p>Keep container tightly closed.</p> <p>Ground and bond container and receiving equipment.</p> <p>Use explosion-proof electrical, ventilating, and lighting equipment.</p> <p>Use only non-sparking tools.</p> <p>Take precautionary measures against static discharge.</p> <p>Avoid breathing mist and vapors.</p> <p>Use only outdoors or in a well-ventilated area.</p>
Response	<p><u>If swallowed</u>: Immediately call a doctor. Do NOT induce vomiting.</p> <p><u>If in eyes</u>: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p><u>If eye irritation persists</u>: Get medical advice.</p> <p><u>If on skin (or hair)</u>: Take off immediately all contaminated clothing. Rinse</p>

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skin with water. Call a poison center if you feel unwell. Wash clothing before reuse.

If skin irritation occurs: Get medical advice.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center if you feel unwell.

In case of fire: Use dry chemicals, carbon dioxide, foam, or inert gas to extinguish. Water can cause frothing and may not extinguish.

Storage Store locked up in a well-ventilated area. Keep cool.

Disposal See *Section 13: DISPOSAL CONSIDERATIONS*.

Hazards not otherwise classified n/a

Ingredient of unknown acute toxicity n/a

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	% by wt.	CAS number	Synonyms
heptane	78-79	64742-49-0	petroleum hydrocarbon solvent; commercial heptane; petroleum ether

Section 4: FIRST AID MEASURES

Inhalation Move individual to fresh air. If not breathing, give artificial respiration or oxygen. Seek medical attention if breathing becomes difficult.

Eye contact If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.

Skin contact If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water. If irritation occurs, get medical advice.

Ingestion Do not induce vomiting. Get medical attention immediately.

Physician notes **INHALATION:** Inhalation overexposure can produce toxic effects. Monitor for respiratory distress. If cough or difficulty in breathing develops, evaluate for upper respiratory tract inflammation, bronchitis, and pneumonitis. Administer supplemental oxygen with assisted ventilation, as required.
INGESTION: If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.

SYMPTOMS/ EFFECTS

Inhalation nausea, headache, dizziness, fatigue, drowsiness, or unconsciousness / Mist or vapor can irritate throat and lungs; may cause central nervous system depression. Intentional misuse may be harmful or fatal.

Eye contact stinging, watering, redness, swelling / Causes eye irritation.

Skin contact redness, itching, burning / Repeated contact can result in dermatitis.

Ingestion burning sensation in mouth and esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, unconsciousness, delirium, other central nervous system effects / Causes irritation to mucous membranes. Aspiration during vomiting can result in severe lung damage or death.

CHRONIC HEALTH EFFECTS

Repeated or prolonged overexposure to solvents can cause brain or other nervous system damage. The symptoms can include loss of memory, loss of intellectual capacity, and loss of

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coordination. Reports have associated repeated and prolonged occupational overexposure to solvents and light petroleum products with irreversible brain and nervous system damage (Painter's Syndrome).

Prolonged or repeated skin contact may cause irritation and inflammation: defatting, redness, blistering, lesions, and scaly dermatitis.

Chronic effects of ingestion and subsequent aspiration may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

Section 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media dry chemicals, carbon dioxide, foam, inert gas to extinguish; water can cause frothing and may not extinguish fire.

Specific hazards arising from the chemical Vapors can cause flash fire. Vapor can travel to a source of ignition and flash back. If container is not properly cooled, it can rupture in the heat of a fire. Burning liquid will float on water. A vapor and air mixture can create an explosion hazard in confined spaces, such as sewers. Notify appropriate authorities of potential fire and explosion hazard if liquid enters sewer or waterways.

Hazardous thermal decomposition products carbon dioxide, carbon monoxide, unburned hydrocarbons

Special protective equipment for fire-fighters full bunker gear including NIOSH-approved positive-pressure self-contained breathing apparatus (SCBA)

Special precautions for fire-fighters Evacuate area and fight fire from maximum distance. Cover pooling liquid with foam. Cooling adjacent containers with water until well after fire is extinguished. Withdraw immediately from area if there is a rising sound from venting safety devices or discoloration of containers.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions Flammable Liquid! Release causes an immediate fire or explosion hazard. Evacuate all non-essential personnel from the immediate area. Put on appropriate protective equipment (see Section 8). Eliminate all ignition sources. All equipment used when handling this material must be grounded. A vapor-suppressing foam may be used to reduce vapors. Do not touch or walk through spilled material.

Environmental precautions Prevent spilled material from entering waterways, sewers, basements, and confined areas.

Methods for clean-up Absorb or cover with dry earth, sand, or other non-combustible material. Using clean, non-sparking tools, transfer into appropriate labeled and sealed waste containers.

Section 7: HANDLING AND STORAGE

Handling Spill or leak can cause an immediate fire or explosion hazard. Do not handle near ignition sources. Wear protective equipment. Wash thoroughly after handling. Keep container tightly closed.

Storage Keep container tightly closed. Store locked up in a cool, dry, well-ventilated area. Store only in original container. Do not store with oxidizing agents. Do not store in elevated temperatures or in direct sunlight. Protect containers from physical damage. Empty containers may contain material residues which can ignite with explosive force. Do not weld, cut, or solder empty containers.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES heptane, all isomers ACGIH TWA, STEL: 400ppm, 500ppm
[CNS impair, URT irr]
OSHA PEL, TWA: 500ppm
NIOSH REL: none established

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ENGINEERING CONTROLS Use ventilation and other controls adequate to maintain airborne concentrations or vapor below the above limits. Electrical equipment should comply with the National Electrical Code.

PERSONAL PROTECTION

Eye Wear chemical splash goggles.

Skin Avoid all skin contact by wearing impervious gloves, a synthetic apron and other protective equipment that is fire-retardant.

Respiratory Wear a NIOSH-approved organic vapor respirator for concentrations above the exposure guidelines. Respirators should be used in accordance with OSHA requirements (29CFR1910.134).

Hygiene measures Wash after handling. Do not eat, drink, or smoke in work areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Physical state liquid Color blue

Odor bubble gum Odor threshold n/a pH n/a (max pH=14)

Melting point/freezing point n/a Boiling point/range 230-250° F

Flash point 39° F (TCC method) Evaporation rate n/a

Flammability n/a Upper/lower flammability or explosive limits 7.1% / 0.9%

Vapor pressure n/a Vapor density >1 (air=1) Relative density 0.75 (water=1)

Solubility negligible Partition coefficient: n-octanol/water n/a

Auto-ignition temperature n/a Decomposition temperature n/a Viscosity n/a

Section 10: STABILITY AND REACTIVITY

Reactivity n/a

Chemical stability stable at normal temperatures and pressures

Possibility of hazardous reactions n/a

Conditions to avoid ignition sources

Incompatible materials oxidizers, reducing agents

Hazardous decomposition products n/a

Section 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure: skin and eye contact, inhalation, ingestion

SYMPTOMS

eye contact stinging, watering, redness, swelling

skin contact redness, itching, burning

inhalation throat and lung irritation; central nervous system depression: nausea, headache, dizziness, fatigue, drowsiness, loss of consciousness

ingestion burning sensation in mouth and esophagus, nausea, vomiting, dizziness, staggered gait, drowsiness, loss of consciousness, delirium, and other central nervous system effects, cardiovascular effects: shallow rapid pulse with pallor followed by flushing

ACUTE TOXICITY

Eye contact causes eye irritation

Skin contact causes skin irritation

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Inhalation	respiratory irritation, central nervous system depression
Ingestion	aspiration from swallowing and vomiting can cause severe lung damage or death, progressive central nervous system depression, respiratory insufficiency, ventricular fibrillation

CHRONIC TOXICITY

Skin contact	inflammation, defatting, blistering, lesions, scaly dermatitis
Skin absorption, inhalation	irreversible brain and central nervous system damage (Solvent or Painter's Syndrome)
Target organs	kidneys, lungs, liver, mucous membranes, upper respiratory tract, skin, eye, central nervous system

TOXICITY DATA

National Toxicology Program Report on Carcinogens (NTP) not listed

International Agency for Research on Cancer Monographs (IARC) not listed

OSHA (carcinogens) not listed

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity harmful to aquatic life

Section 13: DISPOSAL CONSIDERATIONS

Disposal Avoid disposal. Attempt to use product completely in accordance with intended use.
Dispose of in accordance with federal, state and local regulations.

RCRA class Unused product is D001 (Ignitable) and D018 (Toxic).

Section 14: TRANSPORT INFORMATION

US DOT shipping description UN1993, Compound, cleaning liquid (Heptane), 3, PG II

Section 15: REGULATORY INFORMATION

TSCA All components are listed. SARA 313, Form R no listed substance

Section 16: OTHER INFORMATION

HMIS (health 1*, flammability 3, reactivity 0); NFPA (health 1*, flammability 3, reactivity 0)
*chronic health hazard *chronic health hazard

Abbreviations:	ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
	CNS	central nervous system
	n/a	no applicable information available
	NIOSH	National Institute for Occupational Safety and Health
	OSHA	Occupational Safety and Health Administration
	PEL	Permissible Exposure Limit
	REL	Recommended Exposure Limit
	SARA	Superfund Amendments and Reauthorization Act
	STEL	Short Term Exposure Limit
	TLV	Threshold Limit Value
	TSCA	Toxic Substance Control Act
	TWA	Time Weighted Average
	URT	Upper Respiratory Tract

Date of Issue September 15, 2014