

PRODUCT NAME: ABRO Black Xtreme Wet Tire Shine
PRODUCT NUMBER/SIZE: BX-999

Rev Date: 12/23/2014

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Court
South Bend, IN 46628
USA
PRODUCT DESCRIPTION: Tire Shine
COMPANY PHONE: 574-232-8289
EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2 Hazards Identification

Classification:

Aspiration Toxicity (Category 1) H304
Skin Corrosion/Irritation (Category 2) H315
Serious eye damage/irritation (Category 2A) H319
Specific Target Organ Toxicity (SE) (Category 3) H335, H336

Label Pictogram(s):



Signal Word: Danger

Hazard Phrases: Causes skin irritation. May be fatal if swallowed and enters airways. Causes skin irritation. May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary Phrases: Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

Response: In case of fire, use approved materials to extinguish. IF ON SKIN: Wash with plenty of soap and water. Specific treatment included in this SDS. If skin irritation occurs, get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. 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/attention. IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage / Disposal: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/national/international regulation.

Other: Keep out of reach of children.

SECTION 3

Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Solvent Naphtha (Petroleum), Heavy Aliphatic	64742-96-7	<88.0 %
Polydimethylsiloxane	63148-62-9	<=12.0 %
Proprietary Fragrance	NA	0.2 %
Diisobutyl ketone	108-83-8	<=0.05 %
4,6-Dimethylheptan-2-one	19549-80-5	<=0.015 %
Ethanol, 2-Butoxy-	111-76-2	< 0.001 %

SECTION 4

First Aid Measures

Emergency and First Aid Procedures

Keep victim calm. Obtain medical treatment immediately.

In Case of Inhalation

Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Inhalation of vapors require immediate medical attention.

In Case of Skin Contact

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

In Case of Eye Contact

Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

In Case of Ingestion

If swallowed, do not induce vomiting; transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (37° C), shortness of breath, chest congestion or continued coughing or wheezing.

Note to Physician

Potential for chemical pneumonitis. Consider: gastric lavage with protected airway, administration of activated charcoal. Call a doctor or poison control center for guidance.

Signs and Symptoms of Exposure

If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters.

SECTION 5 **Fire Fighting Measures**

Flammability Classification: Combustible Liquid

Flash Pt: ~ 180.00 F (82.2 C) Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data available.

Fire Fighting Instructions

Clear fire area of all non-emergency personnel.

Flammable Properties and Hazards

No data available.

Suitable Extinguishing Media

Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable Extinguishing Media

No data available.

SECTION 6 **Accidental Release Measures**

Steps To Be Taken In Case Material Is Released or Spilled

For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

Protective Precautions, Protective Equipment and Emergency Procedures

Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet. Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment (of product and firefighting water) to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Environmental Precautions

See Chapter 13 for information on disposal. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. U.S. regulations may require reporting releases of this material to the environment which exceed the reportable quantity (refer to Chapter 15) to the National Response

Centre at (800) 424-8802. Under Section 311 of the Clean Water Act (CWA) this material is considered an oil. As such, spills into surface waters must be reported to the National Response Centre at (800) 424-8802. This material is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Petroleum Exclusion. Therefore, releases to the environment may not be reportable under CERCLA.

SECTION 7

Handling and Storage

Precautions to Be Taken in Handling

Avoid breathing vapors or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. On guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

Avoid contact with skin, eyes, and clothing. Handle and open container with care in a well-ventilated area. Ventilate workplace in such a way that the Occupational Exposure Limit (OEL) is not exceeded. Do not empty into drains. Avoid handling above its flashpoint otherwise the product will form flammable/explosive vapor-air mixtures

Precautions to Be Taken in Storing

Keep in a cool place. Keep containers closed when not in use.

Other Precautions

Ensure that all local regulations regarding handling and storage facilities are followed.

SECTION 8

Exposure Controls/Personal Protection

Components	CAS #	OSHA PEL	ACGIH TLV	Other Limits
Solvent Naphtha (Petroleum), Heavy Aliphatic	64742-96-7	500 ppm	100 ppm	No data.
Polydimethylsiloxane	63148-62-9	No data.	No data.	No data.
Proprietary Fragrance	NA	No data.	No data.	No data.
Diisobutyl ketone	108-83-8	50 ppm	25 ppm	No data.
4,6-Dimethylheptan-2-one	19549-80-5	No data.	No data.	No data.
Ethanol, 2-Butoxy-	111-76-2	50 ppm	20 ppm	No data.

Respiratory Equipment (Specify Type)

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for organic gases and vapors [boiling point <65 °C (149 °F)] Where air-filtering respirators are unsuitable (e.g., airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus.

Eye Protection

If material is handled such that it could be splashed into eyes, protective eyewear such as safety glasses or goggles are recommended.

Protective Gloves

Longer term protection: Nitrile rubber gloves Incidental contact/Splash protection: PVC or neoprene rubber gloves Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

Other Protective Clothing

Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

Engineering Controls (Ventilation etc.)

Use only in well-ventilated areas.

Work/Hygienic/Maintenance Practices

Wash hands before eating, drinking, smoking and using the toilet.

Environmental Exposure Controls

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines/limits. Eye washes and showers for emergency use.

SECTION 9

Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Melting Point:	No data.
Boiling Point:	~ 350.00 F (176.7 C)
Autoignition Pt:	No data.
Flash Pt:	~ 180.00 F (82.2 C) Method Used: Setaflash Closed Cup (Rapid Setaflash)
Specific Gravity (Water = 1):	0.820 - 0.859 at 77.0 F (25.0 C)
Density:	6.84 - 7.17 LBS/GAL at 77.0 F (25.0 C)
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	Insoluble
Percent Volatile:	No data.
VOC / Volume:	< 1.0000 PCNT
Viscosity:	60 CST at 77.0 F (25.0 C)
Appearance and Odor:	Clear colorless liquid with grape odor.

SECTION 10

Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions to Avoid - Instability

Avoid heat, sparks, open flames and other ignition sources.

Incompatibility - Materials to Avoid

Strong oxidizing agents.

Hazardous Decomposition or Byproducts

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions to Avoid - Hazardous Reactions

No data available.

SECTION 11 **Toxicological Information**

Toxicological Information

Acute Oral Toxicity:

Expected to be of low toxicity: LD50 >2000 mg/kg, Rat. Ingestion may cause drowsiness and dizziness.

Acute Dermal Toxicity:

Expected to be of low toxicity: LD50 >2000 mg/kg, Rabbit

Acute Inhalation Toxicity:

Expected to be of low toxicity: LC50 >20 mg/l Rat. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

CAS# 63148-62-9:

Acute toxicity, LD50, Oral, Rat, 24.00 GM/KG.

Results:

Gastrointestinal: Hypermotility, diarrhea.

- National Technical Information Service, Vol/p/yr: LMF-69,

CAS# 111-76-2:

Acute toxicity, LD50, Oral, Rat, 470.0 MG/KG.

Results:

Behavioral: Irritability.

Skin and Appendages: Skin: After topical exposure: Primary irritation.

- Dow Chemical Company Reports. Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46,

Acute toxicity, LD50, Oral, Mouse, 1230. MG/KG.

Results:

Behavioral: Altered sleep time (including change in righting reflex).

Behavioral: Somnolence (general depressed activity).

Skin and Appendages: Other: Hair.

- AMA Archives of Industrial Health. For publisher information, see AEHLAU, Chicago, IL, Vol/p/yr: 14,114, 1956

Chronic Toxicological Effects

Repeated Dose Toxicity:

High exposures can cause drowsiness and dizziness. Central nervous system: repeated exposure affects the nervous system. Effects were seen at high doses only.

Kidney: caused kidney effects in male rats which are not considered relevant to humans

Irritation or Corrosion

Skin Irritation:

May cause moderate skin irritation (but insufficient to classify). Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

Eye Irritation:

Expected to be slightly irritating.

Respiratory Irritation:

Not expected to be a respiratory irritant.

Sensitization

Not a skin sensitizer.

Carcinogenicity/Other Information

Not considered a mutagenic hazard or carcinogen. Not expected to be a developmental toxicant.

Components	CAS #	NTP	IARC	ACGIH	OSHA
Solvent Naphtha (Petroleum), Heavy Aliphatic	64742-96-7	NA	NA	NA	NA
Polydimethylsiloxane	63148-62-9	NA	NA	NA	NA
Proprietary Fragrance	NA	NA	NA	NA	NA
Diisobutyl ketone	108-83-8	NA	NA	NA	NA
4,6-Dimethylheptan-2-one	19549-80-5	NA	NA	NA	NA
Ethanol, 2-Butoxy-	111-76-2	NA	NA	NA	NA

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 12

Ecological Information

General Ecological Information

Expected to be toxic. Disperses in water. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

CAS# 63148-62-9:

LC50, Water Flea (*Daphnia magna*), instar, 44500. UG/L, 48 H, Mortality, pH: 7.90; Toxicity of Polydimethylsiloxanes in Certain Environmental Systems, Hobbs, E.J., M.L. Keplinger, and J.C. Calandra, 1975

CAS# 111-76-2:

LC50, Water Flea (*Daphnia magna*), 1720. MG/L, 24 H, Intoxication,, Water temperature: 20.00 C (68.0 F) – 22.00 C (71.6 F) C, pH: 7.70, Hardness: 16.00 dH.

Results:

Affected fish stopped schooling behavior.

- Results of the Damaging Effect of Water Pollutants on *Daphnia magna* (Befunde der Schadwirkung Wassergefährdender Stoffe Gegen *Daphnia magna*), Bringmann, G., and R. Kuhn, 1977

Results of PBT and vPvB assessment

Data not available

Persistence and Degradability

Floats on water. Oxidises rapidly by photo-chemical reactions in air.

Bioaccumulative Potential

Has the potential to bioaccumulate.

Mobility in Soil

Adsorbs to soil and has low mobility.

SECTION 13 Disposal Considerations

Waste Disposal Method

Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

SECTION 14 Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT UN/ID Number: Not Regulated

Proper shipping name:

Hazard class:

Packing Group:

Exceptions:

Environmental Hazards:

Transport in Bulk:

Special Precautions:

IMO/IMDG UN/ID Number: Not Regulated

Proper shipping name:

Hazard class:

Packing Group:

Exceptions:

Environmental Hazards:

Transport in Bulk:

Special Precautions:

ICAO/IATA UN/ID Number: Not Regulated

Proper shipping name:

Hazard Class:

Packing Group:

Exceptions:

Environmental Hazards:

Transport in Bulk:

Special Precautions:

**Canada
(TDG)** UN/ID Number: Not Regulated
Proper shipping name:

Hazard class:
 Packing Group:
 Exceptions:
 Environmental Hazards:
 Transport in Bulk:
 Special Precautions:
 UN/ID Number: Not Regulated
 Proper Shipping Name:
 Tunnel Restriction Code:

Europe (ADR)

SECTION 15 Regulatory Information

US EPA SARA Title III

Components	CAS #	Sec. 302 (EHS)	Sec. 304 RQ	Sec. 313 (TRI)	Sec. 110
Solvent Naphtha (Petroleum), Heavy Aliphatic	64742-96-7	No	No	No	No
Polydimethylsiloxane	63148-62-9	No	No	No	No
Proprietary Fragrance	NA	No	No	No	No
Diisobutyl ketone	108-83-8	No	No	No	No
4,6-Dimethylheptan-2-one	19549-80-5	No	No	No	No
Ethanol, 2-Butoxy-	111-76-2	No	No	Yes – Cat. N230	No

US EPA CAA, CWA, TSCA

Components	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
Solvent Naphtha (Petroleum), Heavy Aliphatic	64742-96-7	No	No	Inventory	No
Polydimethylsiloxane	63148-62-9	No	No	Inventory, 8A, 8A PAIR	No
Proprietary Fragrance	NA	No	No	No	No
Diisobutyl ketone	108-83-8	No	No	Inventory	No
4,6-Dimethylheptan-2-one	19549-80-5	No	No	Inventory	No
Ethanol, 2-Butoxy-	111-76-2	No	No	Inventory	No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

Sec.302: EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.

Sec.304: EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.

Sec.313: EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

Sec.110: EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control

Act) Lists:

Inventory: Chemical Listed in the TSCA Inventory.

5A (2): Chemical Subject to Significant New Rules (SNURS)

6A: Commercial Chemical Control Rules

8A: Toxic Substances Subject To Information Rules on Production
8A CAIR: Comprehensive Assessment Information Rules - (CAIR)
8A PAIR: Preliminary Assessment Information Rules - (PAIR)
8C: Records of Allegations of Significant Adverse Reactions
8D: Health and Safety Data Reporting Rules
8D TERM: Health and Safety Data Reporting Rule Terminations
12(b): Notice of Export

Other Important Lists:

CWA NPDES: EPA Clean Water Act NPDES Permit Chemical
CAA HAP: EPA Clean Air Act Hazardous Air Pollutant
CAA ODC: EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
CA PROP 65: California Proposition 65

International Regulatory Lists:

EPA Hazard Categories:

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

☒ Yes ☐ No Acute (immediate) Health Hazard
☐ Yes ☒ No Chronic (delayed) Health Hazard
☒ Yes ☐ No Fire Hazard
☐ Yes ☒ No Sudden Release of Pressure Hazard
☐ Yes ☒ No Reactive Hazard

HMIS

Health - 1
Flammability - 1
Physical - 0
PPE -

NFPA

Health - 1
Flammability - 1
Instability - 0
Special Hazard - None

SECTION 16 Other Information

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable