OSHA Hazard Communication Standard 29 CFR 1900.1200
Prepared to GHS Rev. 4

GoKlean
Professional Cleaning Products

SAFETY DATA SHEET

SECTION 1- CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Tire Shine

Product Use: Solvent Based Tire Dressing

Use Restrictions: For Industrial and Professional Use Only

Manufacturer: GoKlean Products LLC.
1220 Biscayne Blvd.
DeLand, FL 32724
Phone: 386-943-4171

Emergency: 386-873-5075

SECTION 2- HAZARDS IDENTIFICATION

1) GHS Classification of the substance or mixture:

Aspiration Hazard- Category 1
Flammable Liquids- Category 2
Skin Irritation- Category 2
Specific Target Organ Toxicity, Single Exposure- Category 3

2) Label Elements:

Signal Word: DANGER

Hazard Statements:
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.

Precautionary Statements:
P102- Keep out of reach of children
P210- Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P233- Keep container tightly closed.
P234- Keep only in original container
P240- Ground/bond container and receiving equipment.
P241- Use explosion proof electrical/ ventilating/lighting equipment.
P261- Avoid breathing fumes, mist, vapors, spray.
P264- Wash skin thoroughly after handling

P271- Use only outdoors or in well ventilated area.
P280- Wear chemical resistant protective gloves and splash proof eyewear

Response Statements:
P303+P353+P361+P363- IF ON SKIN (or hair): Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do so. Continue Rinsing.
P304+P340+ IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do not induce vomiting.
P370+P378- IN CASE OF FIRE: Use dry sand, dry chemical or alcohol resistant foam for extinction.

Storage and Disposal Statements:
P233- Store in a well-ventilated place.
P235- Keep cool.
P403-Keep container tightly closed.
P405- Store locked up.
P501- Dispose of contents/container in accordance with local/regional/national regulation.

Other Hazards:
OSHA HCS 2012- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

HMIS Classification:
Health Hazard- 2
Chronic Health Hazard- 0
Flammability- 3

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Common Name	CAS #	PERCENTAGE	HAZARDOUS
Heptane	142-82-5	75-80%	Yes
Polydimethylsiloxane	63148-62-9	20-25%	No

SECTION 4- FIRST AID MEASURES

Inhalation: If affected, remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet and obtain medical attention.
Skin: Immediately flush affected area with lots of water for at least 2 minutes. Remove contaminated clothing and wash before reuse.
Eyes: Flush immediately with large quantities of running water for at least 5 minutes. Obtain medical attention.
Ingestion: Immediately give a lot of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5-FIRE FIGHTING MEASURES

Flash Point: 25°F (T.C.C.)
Autoignition Temperature: Approximately 400°F
Lower Explosive Limit: 1% **Upper Explosive Limit:** 1%

General Hazards-
Fire: Product is flammable.
Suitable Extinguishing Media: Dry chemical, carbon dioxide, alcohol resistant foam.
Unsuitable Extinguishing Media: High volume water jet.
Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire and Explosion Hazards: None known
Hazardous Combustion Products: Carbon oxides

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Emergency Procedures: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.
Environmental precautions: Avoid run off to waterways and sewers.
Methods and material for containment and cleaning up: Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste disposal container.

SECTION 7- HANDLING AND STORAGE

Precautions for safe handling:
Avoid contact with skin and eyes by wearing protective clothing and equipment. Avoid inhalation of vapour or mist. Use only with adequate ventilation.
Conditions for safe storage:
Keep container tightly closed in a dry and well-ventilated place. Store away from acids, acidic materials and oxidizers.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	CAS #	ACGIH Exposure Limits	OSHA Exposure Limits
n-heptane	142-82-5	400 ppm	500 ppm

Personal Protective Equipment-

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.
Hand protection: Wear protective gloves made from the following materials- nitrile rubber or polyethylene. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye Protection: Wear safety glasses with side shields.
Skin and Body Protection: Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.
Hygienic Practices: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Products Description:	Clear liquid with fruity odor.
Solubility in Water:	Insoluble
Boiling Point:	210°F
Specific Gravity (WATER=1):	0.75
Vapor Pressure (mmHg):	N/D
Vapor Density (AIR=1):	3.5
Percent Volatile by Volume (%):	> 85.00
Evaporation Rate (Butyl Acetate=1):	Approximately 3.0
Flash Point (T.C.C.):	25°F
pH (1% w/w in water):	N/A

SECTION 10- STABILITY AND REACTIVITY DATA

Stability: Stable under recommended storage conditions.

Material to Avoid: Avoid contact with acids and strong oxidizers such as permanganate, chlorine, ect.
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: None

SECTION 11- TOXICOLOGICAL INFORMATION

Heptane- (CAS 142-82-5)-

Acute Toxicity:

Acute oral toxicity- LD50 (rat, male and female): 5,000 mg/kg
Method: OECD Test Guideline 401
Symptoms: Salivation
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity- LC50 (rat, male and female): 73.5 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403

Acute dermal toxicity- LD50 (rabbit, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Skin Corrosion/Irritation:

Species: rabbit
Exposure time: 24 h
Method: OECD Test Guideline 404
Result: Irritating to skin.
GLP: yes
Remarks: Based on a similar product formulation.

Respiratory or skin sensitization:

Test Type: Maximization test
Species: guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitization.
Remarks: Based on a similar product formulation.

Germ Cell Mutagenicity:

Genotoxicity in vitro:
Test Type: Chromosome aberration test in vitro
Test species: Rat liver
Metabolic activation: Without metabolic activation
Method: OECD Test Guideline 473
Result: negative

Reproductive Toxicity:

Effects on fertility:
Test Type: Two-generation study
Species: rat, male and female
Application Route: vapour
Dose: 0, 900, 3000, 9000 ppm
Frequency of Treatment: 5 days/week
General Toxicity - Parent: NOAEC: 3,000 ppm
General Toxicity F1: NOAEC: 3,000 ppm
Fertility: NOAEC: 9,000 ppm
Symptoms: Reduced maternal body weight gain. Reduced offspring weight gain.
Method: OECD Test Guideline 416

Result: No reproductive effects.

Effects on Foetal Development:

Species: mouse
Application Route: inhalation (vapour)
Dose: 0, 900, 3000, 9000 ppm
Duration of Single Treatment: 10 d
Frequency of Treatment: 6 hr/day
General Toxicity Maternal: NOAEC: 900 ppm
Developmental Toxicity: NOAEC: 3,000 ppm
Symptoms: Skeletal malformations.
Method: OECD Test Guideline 414
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Further Information: Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12- ECOLOGICAL INFORMATION

Heptane- (CAS 142-82-5)-

Ecotoxicity-

Toxicity to fish: LC50 (Carassius auratus (goldfish)): 4 mg/l
Exposure time: 24 h
Remarks: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates:EC50 (Daphnia magna (Water flea)): 1.5 mg/l **Exposure time:** 48 h
Test Type: static test
Remarks: Very toxic to aquatic organisms.

Persistence and Degradability-

Biodegradability: Primary biodegradation
Inoculum: activated sludge
Concentration: 100 mg/l
Biodegradation: 100 %
Testing period: 2 d
Exposure time: 25 d
Remarks: Readily biodegradable

SECTION 13- DISPOSAL CONSIDERATIONS

Further information: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as hazardous waste in compliance with local and national regulations.

SECTION 14- TRANSPORT INFORMATION

Transport in accordance with all federal, state and local regulations.

DOT (Department of Transportation)-
UN Number: UN 1993
UN proper shipping name: Flammable liquids, n.o.s. (heptane)
Hazard class: 3

Packing group: II

SECTION 15- REGULATORY INFORMATION

OSHA Hazards: Flammable liquid, Harmful by skin absorption., Moderate skin irritant, Moderate eye irritant, Aspiration hazard.

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

Massachusetts Right To Know:

Heptane	142-82-5	30-50%

Pennsylvania Right To Know:

Heptane	142-82-5	30-50%

New Jersey Right To Know:

Heptane	142-82-5	30-50%

SECTION 16- OTHER INFORMATION

References: Not available
Other Special Considerations: Not available
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