



Section 1: Identification

Product identifier: Terrain Lane Conditioner**Other Means of identification****Part Number(s):** 156-8185, 156-8185C, 156-8222, 156-8224**Recommended Use:** Bowling lane conditioner**Restrictions on Use:** Uses other than those stated; for industrial/professional use only**Manufacturer:** Kegel LLC
1951 Longleaf Blvd
Lake Wales, FL 33859, USA**Emergency Phone:** (863) 734-0200 (available from 8 AM – 5 PM EST)
(800) 280-2695 (24 hour; call forwarding service available during non-business hours)**Email:** SDS@kegel.net

Section 2: Hazard(s) identification

Classification: This product is classified as hazardous according to 29 CFR 1910.1200**Physical Hazards:** Combustible liquid Category 4**Health Hazards:** Acute Toxicity (Inhalation) Category 4

Skin Irritant Category 2

Eye Irritant Category 2

Skin Sensitizer Category 1

Acute Toxicity Dermal Category 5

Environmental Hazards: Aquatic Chronic Category 4**Label Elements****Pictogram(s)/Symbol(s):** GHS07/Exclamation point**Signal Word:** Warning**Hazard statements**

H227: Combustible liquid

H332: Harmful if inhaled

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction

H313: May be harmful in contact with skin

H413: May cause long lasting harmful effects to aquatic life.

Precautionary Statements**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P273: Avoid release to the environment.

Response: P370+P378: In case of fire: Use an ABC fire extinguisher or oil rated fire extinguisher to extinguish.

P302+P352: IF ON SKIN: Wash with plenty of water and mild soap.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+P313: If eye irritation persists get medical advice/attention.

P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.

P302+P312: IF ON SKIN: Call a POISON CENTER/doctor if you feel unwell.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor if you feel unwell.

Storage: P403: Store in a well ventilated place.

Disposal: P501: Dispose of contents and container as required by all local, state, federal and international laws or regulations.

Hazards not otherwise classified: None known

Unknown toxicity: There are no substances of unknown toxicity in this mixture

Section 3: Composition/information on ingredients

Chemical name	CAS Number	Concentration (%)	Classification*
White mineral oil (petroleum)	8042-47-5	93	Aspiration Category 1/H304 Aquatic Chronic Category 4/H413
Sunflower oil	8001-21-6	4	Not Classified
Tall oil hydroxyethyl imidazoline	Mixture	2	Acute Toxicity Oral Category 4/H302 Skin Corrosion Category 1B/H314 Eye Damage Category 1/H318 Skin Sensitizer Category 1B/H317 Aquatic Acute Category 1/H400
Polyol Ester	Proprietary	1	Not Classified

*Occupational Exposure Limit(s), if available, are listed in section 8. See section 16 for the full text of the H phrases declared above.

Section 4: First-aid measures

Description of first aid measures

Skin Contact: Wash skin with soap and water. Remove any contaminated clothing and wash clothing before reuse. If irritation persists, seek medical attention.

Eye Contact: Flush eyes thoroughly with water while holding eyes open for at least 15 minutes. If wearing contact lenses, remove lenses and flush eyes for several minutes. If discomfort persists, seek medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical professional. Treat symptomatically. Seek medical attention as necessary. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air. Obtain medical attention. Qualified personnel may give oxygen if breathing is difficult or cyanosis (blue discoloration of the skin) is noted. Give artificial respiration if subject is not breathing.

Most important symptoms/effects; acute and delayed

Skin Absorption: Harmful effects are not expected from short periods of contact. Prolonged or repeated contact may lead to skin irritation by dermatitis including swelling, redness, drying, itching and cracking.

Eye Contact: Harmful effects are not expected from short periods of contact. Eye irritation including redness and tearing may occur. Corneal inflammation may also occur.

Ingestion: Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury. Ingestion may cause gastrointestinal irritation, nausea and diarrhea. Product ingested in large quantities in concentrated form may cause toxic effects.

Inhalation: This product is not likely to cause an inhalation hazard at normal temperatures and pressures. Inhalation of mist or spray may be harmful and may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Aspiration may cause pulmonary edema or aspiration pneumonia. Oil deposits in the lung may lead to fibrosis and reduced pulmonary function.

Indication of immediate medical attention and special treatment needed

If you feel unwell, seek medical advice/attention. Show physician this safety data sheet.

Section 5: Fire-fighting measures

Extinguishing media

Suitable: Treat as an oil fire. Use CO₂, dry powder, universal-type foam, and water fog

Unsuitable: Oil will float on water and can spread any fire.

Specific hazards arising from chemical: Pressure increases may cause container to burst and material may spatter.

Special firefighting procedures: Use water spray to cool fire-exposed containers and structures.

Special protective equipment and precautions for firefighters: Wear full protective gear and a self-contained breathing apparatus with full face-piece; MSHA/NIOSH approved or equivalent; operated in positive pressure mode.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear protective clothing including gloves and eye protection when taking up spills. Eliminate any ignition sources. Evacuate untrained personnel.

Methods and materials for containment and cleaning up: Floor may be slippery. Use care to avoid falling. Cover drains and use spill dams to prevent material from spreading. Absorb large spills on an inert material such as sand or vermiculite. Universal sorbent pads may also be used. Spill clean-up materials should be collected in appropriately labeled containers for disposal. Dispose of material as required by all local, state, federal and international regulations and laws. Small spills can be mopped away with water. Never return spills to original container for re-use.

Environmental precautions: This product is insoluble in water and will float on the surface. Prevent from entering sewers or drains.

Note: see section 8 for personal protective equipment and section 13 for disposal considerations.

Section 7: Handling and storage

Precautions for safe handling: Keep containers tightly closed to prevent contamination. Wear suitable personal protective equipment including gloves and splash resistant eye protection. Wash hands after use.

Conditions for safe storage, including any incompatibilities: Normal precautions should be followed in handling and storage. Keep away from heat and flame. Keep container tightly closed. Product shelf life is best retained by storage between 20°C and 32°C (68°F - 90°F).

Section 8: Exposure controls/personal protection

Occupational exposure limits/standards

Chemical name	Type	Limit values	Source
White mineral oil (petroleum) (CAS #8042-47-5)	PEL	5 mg/m ³ (TWA)	OSHA Table Z-1
	REL	5 mg/m ³	NIOSH Pocket Guide to Chemical Hazards
	STEL	10 mg/m ³	NIOSH Pocket Guide to Chemical Hazards

Appropriate engineering controls: Mechanical ventilation is suggested but not normally necessary under normal usage of product.

Individual protection measures, such as personal protective equipment

Eye/face protection: Appropriate eye protection should always be worn when handling chemicals. Splash resistant eyewear is recommended when splashing is a concern.

Skin and hand protection: Wear chemical resistant gloves and protective clothing, such as long sleeves, to minimize skin contact.

Respiratory protection: No special respiratory protection is required with normal usage of product.

General hygiene considerations: Wash hands thoroughly after handling and before eating, smoking, using lavatory, and at the end of the day. Remove contaminated clothing and clean it before re-use. Do not take internally. Keep away from foodstuffs and beverages.

Section 9: Physical and chemical properties

Information on basic chemical and physical properties

Appearance: Water clear liquid with brown color

Upper/lower flammability or explosive limits: Not determined

Odor: Non-objectionable odor	Vapor pressure: Not determined
Odor threshold: Not determined	Vapor density: Not determined
pH: Not determined	Relative density (H₂O=1): 0.900 @ 20°C
Melting point/freezing point: Not determined	Solubility in H₂O: Insoluble
Initial boiling point: 279°C (534.2°F)	Partition coefficient (n-octanol/water): Not determined
Distillation temperature (90%): 489°C (912.2°F)	Auto ignition temperature: Not determined
Flash point: 83°C (181.4°F) by PMCC	Fire point: 204°C (399.2°F) by COC
Evaporation rate: Not determined	Decomposition temperature: Not determined
Flammability (solid, gas): Not determined	Viscosity: 81 cps @ 20°C

Section 10: Stability and reactivity

Reactivity: Non-reactive when used according to specifications

Chemical stability: Stable under normal ambient conditions

Possibility of hazardous reaction: None under conditions of normal use.

Conditions to avoid: Avoid high heat, flames and sparks as a precaution.

Incompatible materials: Product is normally unreactive.

Hazardous decomposition products: Burning can produce various oxides and vapors that are potentially dangerous to health.

Section 11: Toxicological information

Information on toxicological effects

This product has not undergone animal lab testing to determine toxicity. Toxicological data and local effects provided for primary substance(s) in the mixture.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
White mineral oil (petroleum) (CAS #8042-47-5)	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>5 mg/L; 4hr (rat)

Information on likely routes of exposure and toxicological effects

Skin irritation: Prolonged or repeated contact may lead to skin irritation by dermatitis.

Eye irritation: Product may be irritating to the eyes causing swelling, tearing and redness.

Inhalation: Inhalation of vapors may be irritating.

Ingestion: Ingestion of product may cause nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Product can cause skin irritation, drying and/or cracking. Contact with eyes can produce tearing, redness and stinging.

Delayed and immediate effects and also chronic effects from short- and long-term exposure

Short-term exposure: Potential immediate effects: No data
Potential delayed effects: No data

Long-term exposure: Potential immediate effects: No data
Potential delayed effects: No data

Potential chronic health effects: No data

Acute toxicity

Oral: Not applicable

Dermal: May be harmful in contact with skin (Category 5)

Inhalation: Harmful if inhaled (Category 4)

Skin sensitization: May cause an allergic skin reaction (Category 1)

Respiratory sensitization: Not applicable

Specific target organ toxicity - single exposure: Not applicable

Specific target organ toxicity - repeated exposure: Not applicable

Aspiration hazard: Not applicable

Chronic toxicity

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs Overall Evaluation of Carcinogenicity: Not listed
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052): Not regulated
US National Toxicology Program (NTP) Report on Carcinogens: Not listed
Reproductive toxicity: This product is not expected to cause reproductive or developmental effects
Numerical measures of toxicity: The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral): 4539 mg/kg
ATEmix (dermal): 2012 mg/kg
ATEmix (inhalation-mist): 4.3 mg/l

Section 12: Ecological information

Ecotoxicity: There is no ecotoxicity data available for this product.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: None known

Section 13: Disposal considerations

Disposal instructions: Dispose of contents/container in accordance with appropriate local/state/federal/international environmental control regulations.

Recommendations: Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. The material may be collected and recycled at a licensed and approved chemical collection and disposal facility or at an oil recycling facility. Empty containers should be taken to an approved waste facility for recycling or disposal.

Section 14: Transport information

	DOT (US Road/Rail Transport)	IMDG/IMO (Sea Transport)	IATA/ICAO (Air Transport)
UN Number	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	Not regulated	Not regulated	Not regulated
Transport hazard class	Not regulated	Not regulated	Not regulated
Packing group	None	None	None
Environmental hazards	None	None	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable

Special precautions for user: Always transport in closed containers that are upright and secure to prevent accidental spillage.

Section 15: Regulatory information

Safety, health, and environmental regulations/legislation specific for the substance/mixture

US federal regulations: This product is classified as a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D): Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4): Sulfuric acid listed

SARA 304 Emergency release notification: Sulfuric acid listed

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052): Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories:

- Fire hazard – Yes (combustible liquid)
- Pressure hazard – No
- Reactivity hazard – No
- Immediate-Acute health hazard – Skin corrosion/irritation, acute toxicity, serious eye damage/irritation
- Delayed-Chronic health hazard – No

SARA 302/304 Extremely hazardous substance: Sulfuric acid listed

SARA 313 (TRI reporting): Sulfuric acid listed

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated
Clean Water Act (CWA) Section 112(r) (40 CFR 68.130): Not regulated
Safe Drinking Water Act (SDWA): Not regulated
US state regulations
US California Controlled Substances CA Department of Justice (California Health and Safety Code Section 11100): Not listed
US California Proposition 65: This product does not contain any substances currently listed as carcinogens or reproductive toxins.
US New Jersey RTK: No listed chemicals
US Massachusetts RTK Substance List: No listed chemicals
US Pennsylvania Worker and Community Right-to-Know Law: No listed chemicals
US Rhode Island RTK: No listed chemicals
US New York RTK: No listed chemicals
US Minnesota RTK: No listed chemicals

International Inventories

Country/Region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	EC Inventory	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory (NZIoC)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Inventory (TCSI)	Yes
United States	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "yes" indicates that all components of this product comply with inventory requirements administered by the governing country(s).

A "no" indicates that one or more of the components of the product are not listed or are exempt from listing on the inventory administered by the governing country(s).

Section 16: Other information, including date of preparation or last revision

Full text of H-phrases, if any, with number appearing in section 3:

H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H314: Causes severe skin burns and eye damage.
 H317: May cause allergic skin reaction.
 H318: Causes serious eye damage.
 H400: Very toxic to aquatic life.
 H413: May cause long lasting harmful effects to aquatic life.

HMIS III Rating

Health: 1
 Flammability: 1
 Physical Hazard: 0
 Personal Protective Equipment (PPE): B

NFPA Rating

Health: 1
 Flammability: 2
 Reactivity: 0
 Special Hazards: None

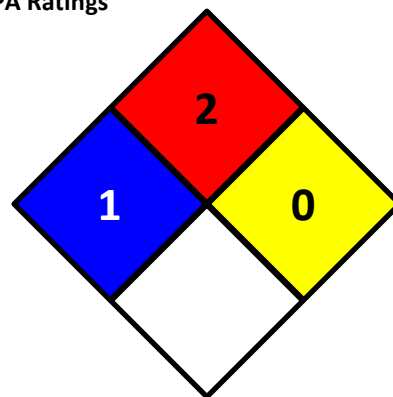
Hazard Rating Legend

0: Minimal Hazard
 1: Slight Hazard
 2: Moderate Hazard
 3: Serious Hazard
 4: Severe Hazard

HMIS III Ratings

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PPE	B

NFPA Ratings



SDS: Terrain Lane Conditioner

Product ID: 156-8185, 156-8185C, 156-8222, 156-8224

SDS Revision Level: 1.1

SDS Revision Date: 8 August 2019

Revision Reason(s): Updated Section 9 with specification data

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