DURASOIL® SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name	**Durasoil®** Ultra-Pure Synthetic Dust Control Fluid
Product Code	DS26G
Manufacturer	**Soilworks®, LLC** – Soil Stabilization & Dust Control 7150 E Camelback Rd, Ste. 444 Scottsdale, Arizona 85251 USA +1 (800) 545-5420 USA / Emergency +1 (480) 545-5454 International / Emergency info@soilworks.com www.soilworks.com
Chemical Family	Non-Petroleum Synthetic Alkane Fluid
Common Names	Dust Binder, Dust Control Agent, Dust Control Material, Dust Inhibitor, Dust Palliative, Dust Retardant, Dust Stabilizer and Dust Suppressant, Compaction Aid
Related Patents	U.S. Patent No. 8,968,592 U.S. Patent No. 9,068,106 U.S. Patent No. 9,434,881 Additional patents may be pending in the U.S. and elsewhere

System for Award Management (SAM)

Company	Unique Entity ID
Soilworks, LLC	CRN9RH6TTQK6

U.S. Data Universal Numbering System (DUNS Number)

Company	DUNS #
Soilworks, LLC	131946159

U.S. Department of Defense Commercial and Government Entity Code (CAGE Code)

Company	CAGE Code
Soilworks, LLC	3FTH5

U.S. Department of Defense National Stock Numbers (NSN)

Container	Description	NSN #
275-gallon (1,041 Liter)	Intermediate Bulk Container (IBC) Tote	6850-01-542-5354
55-gallon (208 Liter)	Drum	6850-01-542-3715

U.S. General Services Administration (GSA) Contract

Company	GSA Contract #
Soilworks, LLC	47QSNS24D001Q

U.S. Food & Drug Administration (FDA) Indirect Food Additive

Regulation	Purity Requirement Met
21 CFR 175.105	YES
21CFR 175.125	YES
21 CFR 175.320	YES
21 CFR 176.200	YES
176.210	YES

Kosher Certified

Product	Producer	Certified by	Certificate Availability
Durasoil	Soilworks, LLC	Greater Phoenix Vaad Hakashruth	www.kosherphoenix.org

Synonyms/Other Means of Identification

Durasoil is a 100% Non-Petroleum, genuine synthetic fluid-based dust binder, dust control agent, dust control fluid, dust control liquid, dust control material, dust control product, dust inhibitor, dust palliative, dust retardant, dust stabilizer and dust suppressant.

Intended Uses - For industrial use only.

Abate dust, air quality control, control dust, controlling dust, desertification prevention, dust abatement, dust control, dust control agent, dust control material, dust control product, dust elimination, dust inhibitor, dust mitigation, dust palliative, dust pollution control, dust pollution prevention, dust prevention, dust reduction, dust retardant, dust stabilization, dust stabilizer, dust suppressant, dust suppression, eliminate dust, fines preservation, fugitive dust control, inhibit dust, mitigate dust, pm10 control, pm2.5 control, prevent dust, reduce dust, retard dust, soil additive, soil amendment, stabilize dust, stop dust, suppress dust, wind erosion control.

Uses advised against:

This synthetic fluid should only be utilized, handled, and applied in strict accordance with the guidelines provided in the equipment manufacturer's manuals, bulletins, and other relevant documentation. Any use of this synthetic fluid in applications not explicitly listed in Section 1 should be avoided unless prior advice is sought from the supplier.

Major Industries

Agriculture & Vineyards	Gravel Runways & Helipads	Open Pit Mining
Coal & Ash	Iron & Steel Mills	Precast Concrete
Construction	Movies & Entertainment	Solar & Wind Energy
Energy	Military	Transportation
Government & Municipal	Oil & Gas	Underground Mining

Social Media Sources

Company	Link
Facebook	https://www.facebook.com/soilworks
Instagram	http://instagram.com/soilworks_llc
LinkedIn	https://www.linkedin.com/company/soilworks
TikTok	https://www.tiktok.com/@soilworks_llc
X (Twitter)	https://twitter.com/soilworks
YouTube	https://www.youtube.com/user/SoilworksAZ/videos

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification

Based on available data this synthetic fluid does NOT meet the classification criteria.

GHS Label Elements - Regulation European Community (EC) Number 1272/2008

Description		Result
Hazard pictograms		NO hazard symbol required
Signal word		NO signal word
Hazard statements	Physical Hazards	NOT classified as a physical hazard
	Heath Hazards	NOT classified as a health hazard
	Environmental Hazards	NOT classified as an environmental hazard
Precautionary statements	Prevention:	NO precautionary phrases
	Response	NO precautionary phrases
	Storage	NO precautionary phrases
	Disposal	NO precautionary phrases

Other Hazards

- Ecological information:
  The synthetic fluid does NOT include any components that are recognized as having endocrine-disrupting properties in accordance with REACH Article 57(f), or Commission Delegated Regulation (EU) 2017/2100, or Commission Regulation (EU) 2018/605, at concentrations equal to or exceeding 0.1%.
- Continuous or repeated skin contact without adequate cleansing can lead to the obstruction of skin pores, potentially causing conditions such as oil acne/folliculitis.
- NOT classified as flammable but will burn.

U.S. Hazardous Materials Identification System (HMIS) Rating

Health	0	NO significant risk to health
Flammability	1	Nonflammable, but will burn on prolonged exposure to flame or high temperature.
Physical Hazard	0	Stable, Non-Reactive and Non-Explosive
Personal Protection	-	NO special hazard under normal use

SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

#	Component	%	CAS #
1	A complex mixture of synthetic linear, branched, and cyclic alkanes	Trade secret	Non-Hazardous
2	Proprietary	Trade secret	Non-Hazardous

Alkylphenol Compounds (APE), Nonylphenol Ethoxylates (NPEO) and Alkylphenol Ethoxylates (APEO) Content

None. APE Free, APEO Free and NPEO Free.

Bisphenol A (BPA) Content

None. BPA Free.

Byproduct / Recycled Content

None.

Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Content

None. PFAS Free.

SECTION 4 – FIRST-AID MEASURES

Eye Contact

If irritation or redness develops from exposure, flush eyes with copious quantities of clean water. If irritation persists, seek medical attention.

Skin Contact

NO treatment necessary under normal conditions of use. Remove contaminated clothing. Wash affected area with mild soap and water. If irritation persists, seek medical attention.

Inhalation

NO treatment necessary under normal conditions of use. If symptoms persist, seek medical attention.

Ingestion

NO treatment necessary under normal conditions of use. If swallowed do not induce vomiting. If symptoms persist, seek medical attention.

Signs and Symptoms

- If the synthetic fluid enters the lungs, signs and symptoms may manifest as coughing, choking, wheezing, difficulty breathing, chest congestion, shortness of breath, and/or fever.
- It is important to note that the onset of respiratory symptoms may be delayed for several hours after exposure.
- For defatting dermatitis, signs and symptoms may include a burning sensation and/or a dried/cracked appearance on the skin.
- Ingestion of the synthetic fluid may lead to nausea, vomiting, and/or diarrhea.

SECTION 5 – FIREFIGHTING MEASURES

Flammability

Nonflammable, but will burn on prolonged exposure to flame or high temperature.

Flash Point

Description	Testing Standard	Result
Flash Point	ASTM D92 COC	394 °F (201 °C)
	ASTM D93 PMCC	383 °F (195 °C)
Autoignition Temperature	ASTM E659	>605° F (>318° C)

Extinguishing Media

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

Special Fire Fighting Procedures & Protective Equipment

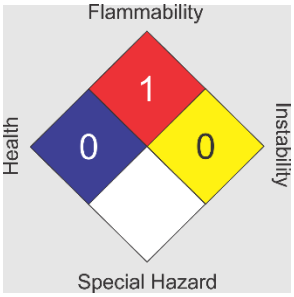
- Do NOT use water in a jet.
- Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

Specific Hazards

Hazardous combustion products may include:

- A complex mixture of airborne solid and liquid particulates and gases (smoke).
- Carbon monoxide.
- Unidentified compounds.

U.S. National Fire Protection Association (NFPA) Hazard Class



Legend
0 – Minimal
1 – Slight
2 – Moderate
3 – Serious
4 – Severe

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

Protective Measures

- Stop the leak, if possible.
- Avoid contact with skin and eyes.
- Use appropriate containment to avoid environmental contamination.
- Prevent from spreading or entering drains, ditches, sewers, rivers, or open bodies of water by using sand, earth, or other appropriate barriers.

Clean-Up Methods

- Avoid accidents, clean up immediately.
- Slippery when spilled.
- Prevent it from spreading by making a barrier with sand, earth, or other containment material.
- Reclaim liquid directly or in an absorbent.
- Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of it properly.

Additional Advice

Local authorities should be advised if significant spillages cannot be contained.

SECTION 7 - HANDLING AND STORAGE

General Precautions

- Use local exhaust ventilation if there is risk of inhalation of vapors, mist, or aerosols.

- Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.
- 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.

Storage

- Keep container tightly closed in a cool, well-ventilated place.
- Use properly labeled and closeable containers.
- Store at ambient temperature.

Handling

- Avoid breathing vapors or mist.
- Avoid prolonged or repeated contact with skin.
- Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.
- When handling synthetic fluid in drums, safety footwear should be worn and proper handling equipment should be used.

Recommended Packaging Materials

For containers or container linings, use mild steel or high-density polyethylene (HDPE).

Additional Information

Polyethylene containers should not be exposed to high temperatures because of the possible risk of distortion.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

Basis	Form of Exposure	Permissible Concentration
ACGIH (mist)	TWA (inhalable fraction)	5 mg/m^3
OSHA Z-1(mist)	TWA (inhalable fraction)	5 mg/m^3

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 ventilation to control airborne concentrations. Where synthetic fluid is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

Personal Protective Equipment

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection

Respiratory protection is NOT required under normal conditions of use in a well-ventilated workplace. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing synthetic fluid. 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 meet 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 combined particulate/organic gases and vapors.

Hand Protection

Where hand contact with the synthetic fluid may occur the use of gloves approved to relevant standards (e.g., Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g., frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. 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 with soap and water and dried thoroughly.

Eye Protection

Eye protection is NOT required under normal conditions of use. If synthetic fluid is handled such that it could be splashed into eyes, wear splash-proof safety goggles or full-face shield.

Protective Clothing

Skin protection is NOT required under normal conditions of use or for single, short duration exposures. For prolonged or repeated exposures, use impervious chemical resistant boots, gloves and/or aprons over parts of the body subject to exposure.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Result	Testing Standard
Active Ingredients	100%	CG-MS
Aniline Point	234 °F (112 °C)	ASTM D611
Appearance	Liquid at room temperature	
Api Gravity (Digital Density Meter)	43.6	
Aromatic Hydrocarbons	0%	
Ash Content	<0.01% (None Detected)	ASTM D482
Auto Ignition Temperature	>605° F (>318° C)	
Binder Content	100%	CG-MS
Boiling Point	464 °F (240° C)	ASTM D3321
Cloud Point	-22 °F (-30° C)	ASTM D2500
Color	<1 (None. Colorless, clear, and bright)	ASTM D1500
Combustion Heat	18,879 BTU/lb. (44 MJ/kg) (10,488 cal/g)	ASTM D240
Conductivity	0 pS/m @ 73° F (23° C)	ASTM D2624
	NOT expected to be a static accumulator	
Density	6.7264 lb./gal (806 kg/m³) @ 59° F (15° C)	ASTM D41475-98
Dielectric Strength	46 MV/m	ASTM D877
Flammability (Liquids)	NOT classified as flammable, but will burn	
Flash Point	394° F (201° C)	ASTM D92 COC
Flash Point	383° F (195° C)	ASTM D93 PMCC
Freeze Point	None Detected	ASTM D2386
Inactive Ingredients	0%	CG-MS
Naphthenics	None Detected	CG-MS
Nitrogen	0%	
Octanol/Water Partition Coefficient	>6 log Pow	
Odor	None, Odorless	
Oil Sheen	None. Oil sheen free	
Olefins	None Detected	CG-MS
Oxidation	None Detected	ASTM D7414
Pentane insolubles	<0.01% (None Detected)	ASTM D893
pH	Not applicable. Not an aqueous solution	
Physical Form	Liquid, Synthetic Fluid	
Polycyclic Aromatics (PAH)	None Detected	
Pour Point	-60° F (-51° C)	ASTM D97
Refractive Index	1.45 @ 68 °F (20° C)	ASTM D1218
Relative Density	0.808 @ 60° F (16° C)	ASTM D1475-98
Specific Gravity	0.808 @ 60° F (16° C)	ASTM D41475-98
Sulfur	0%	
Vapor Density	>5 (Air = 1)	
Vapor Pressure	<0.5 Pa @ 68° F (20° C) estimated	
Viscosity Index	106	ASTM D2270
Viscosity, Kinematic	9.81 cSt @ 104° F (40° C)	ASTM D445
	2.66 cSt @ 212° F (100° C)	
	18 cSt @ 68° F (20° C)	ISO 3104
Water Content	None Detected	ASTM D6304
Water Solubility	Insoluble	

SECTION 10 - STABILITY AND REACTIVITY

Reactivity

The synthetic fluid does NOT pose any further reactivity hazards in addition to those listed in the following sub-paragraph.

Chemical Stability

- Stable.
- NO hazardous reaction is expected when handled and stored according to provisions.

Conditions to Avoid

Extreme heat

Materials to Avoid

Strong oxidizing agents

Hazardous Decomposition

NO hazardous decomposition if stored and applied as directed.

Corrosivity

Non-Corrosive

Aircraft Surface Reactivity

Boeing Specification	Result
D6-17487 Revision P	Non-Injurious to aircraft surfaces
D6-17487 Revision T	Non-Injurious to aircraft surfaces
D6-17487 Revision R	Non-Injurious to aircraft surfaces
BSS7432 (2025-03-19)	Non-Injurious to aircraft surfaces

Test	Result	Description
Sandwich Corrosion	Pass / Conforms	NO Corrosion
Acrylic Crazing	Pass / Conforms	NO Crazing, Cracking, or Etching
Paint Softening	Pass / Conforms	NO Hardness Change, Discoloration, or Staining
Hydrogen Embrittlement	Pass / Conforms	NO Failure

SECTION 11 - TOXICOLOGICAL INFORMATION

Description	Result	Analytical Method
Chlorinated Herbicides (TCLP)	None Detected	EPA SW 8151A
Dioxins & Furans (PCDDs / PCDFs)	None Detected	QC066-97, GC-MS
Organochlorine Pesticides (TCLP)	None Detected	EPA SW 8081A
Perfluorinated Compounds (PFCs)	None Detected	DOD QSM
Phenolic Compounds	None Detected	QC066-97, GC-MS
Polychlorinated Biphenyl (PCBs)	None Detected	GC-MS
Polycyclic Aromatic Hydrocarbons (PAHs)	None Detected	QC058-97, GC-MS
Metals (TCLP)	None Detected	EPA 6020
Semi-Volatile Organic Compounds (SVOC)	None Detected	EPA SW 8270C QC043-97, GC-MS
Semi-Volatile Organic Compounds (SVOC) (TCLP)	None Detected	EPA SW 8270C
Volatile Organic Compounds (VOC)	None Detected	EPA SW 8260B EPA 8240
Volatile Organic Compounds (VOC) (ZHETCLP)	None Detected	EPA SW 8260B

ACUTE TOXICITY

Type	Result	Classification
Acute oral toxicity	LD_{50} (rat): >5,000 mg/kg	NOT acutely toxic
Acute inhalation toxicity (4 hr.)	LC_{50} (rat): >5 mg/L	NOT acutely toxic
Acute dermal toxicity	LD_{50} (rabbit): >5,000 mg/kg	NOT acutely toxic

Likely Routes of Exposure

- As defined in Regulation European Community Number 1272/2008
- Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

Skin Irritation

NOT irritating to skin.

Eye Irritation

NOT irritating to eyes.

Respiratory and Skin Sensitization

For respiratory and skin sensitization: NOT a skin sensitizer.

Mutagenicity

Bacteria	Fluctuation Test Strains	NOEC (mg/L)	LOEC (mg/L)	CV (mg/L)
S. typhimurium	TA98	>100,000	100,000	>100,000
	TA100	>750,000	750,000	>750,000

- Genotoxicity in vivo
  - Non-Mutagenic
- Germ cell mutagenicity Assessment
  - This synthetic fluid does NOT meet the criteria for classification in categories 1A/1B

Genotoxicity and Cytotoxicity

Bacteria	Toxicity Test	NOEC (mg/L)	LOEC (mg/L)	CV (mg/L)
E. coli PQ37	Cytotoxicity	25,000	>25,000	>25,000
	Genotoxicity	25,000	>25,000	>25,000

Carcinogenicity

Organization	Abbreviation	Classification
U.S. Occupational Safety and Health Administration	OSHA	NOT listed as carcinogenic
U.S. National Toxicology Program	NTP	NOT listed as carcinogenic
World Health Organization International Agency for Research on Cancer	WHO IARC	NOT listed as carcinogenic
California Office of Environmental Health Hazard Assessment Proposition 65	Prop 65	NOT listed as carcinogenic

- NOT a carcinogen
- Carcinogenicity Assessment
  - This synthetic fluid does NOT meet the criteria for classification in categories 1A/1B.
- GHS Classification Labelling Packaging Regulation (CLP) - Carcinogenicity Classification
  - NO carcinogenicity classification.

Reproductive Toxicity

- Effects on fertility
  - Dose NOT impair fertility.
  - NOT a developmental toxicant.
- Reproductive toxicity Assessment
  - This synthetic fluid does NOT meet the criteria for classification in categories 1A/1B.

Specific Target Organ Toxicity (STOT)

- Single exposure
  - Based on available data, the classification criteria are NOT met.
- Repeated exposure
  - Based on available data, the classification criteria are NOT met.

Aspiration Toxicity

NOT an aspiration hazard

Endocrine Disrupting Properties

The synthetic fluid does NOT contain components at levels of 0.1% or higher considered to have endocrine disrupting properties according to:

- REACH Article 57(f)
- Commission Delegated regulation (EU) 2017/2100
- Commission Regulation (EU) 2018/605.

Other Hazards

- Classifications by other authorities under varying regulatory frameworks may exist.
- Unless indicated otherwise, the data presented is representative of the synthetic fluid as a whole, rather than for individual component(s).

SECTION 12 - ECOLOGICAL INFORMATION

Based on EPA Aquatic Organism Toxicity Categories (LC_{50} >100 mg/L = Practically Nontoxic), Durasoil is classified as practically nontoxic to all species. When used and applied properly, Durasoil is NOT known to pose any ecological problems.

Name Species	Class	Duration	Test Endpoint	mg/L (ppm)					
				NOEC	LOEC	IC_{25}	LC_{25}	IC_{50}	LC_{50}
Bacterium *Aliivibrio fischeri*	Acute	15-min	Bioluminescence					>891,000	
Fathead Minnow *Pimephales promelas*	Acute	96-hr	Survival	2,000	>2,000				>2,000
	Chronic	7-Day	Growth	2,000	>2,000	>2,000	>2,000	>2,000	>2,000
									>250,000
			Survival	2,000	>2,000	>2,000	>2,000	>2,000	>2,000
									>250,000
Microalga *R. subcapitata*	Chronic	96-hr	Growth					390,000	
Mysid Shrimp *Americamysis bahia*	Acute	96-hr	Survival	2,000	>2,000				>2,000
	Chronic	7-Day	Growth	2,000	>2,000	>2,000	>2,000	>2,000	>2,000
			Survival	2,000	>2,000	>2,000	>2,000	>2,000	>2,000
Rainbow Trout *Oncorhynchus mykiss*	Acute	96-hr	Survival	2,000	>2,000				>2000
	Chronic	7-day	Growth	2,000	>2,000	>2,000	>2,000	>2,000	>2,000
			Survival	2,000	>2,000	>2,000	>2,000	>2,000	>2,000
Water Flea *Ceriodaphnia dubia*	Acute	48-hr	Survival	2,000	>2,000			>2,000	>2,000
	Chronic	6-8 Day	Reproduction	<125	125	404	404	>2000	>2000
			Survival	2,000	>2,000	>2,000	>2,000	>2,000	>2,000
Water Flea *Daphnia magna*	Acute	48-hr	Survival						10,000

Terrestrial Toxicity

Name	Species	Duration	Condition	Result
Earthworm	Eisenia andrei	14-day	LC_{50}	672,000 mg/L
Lettuce	Root elongation	120-hour	EC_{50}	13,100 mg/L
	Seed germination	120-hour	LC_{50}	685,000 mg/L

Degradability and Persistence

Ultimate biodegradability - Durasoil meets the criteria for ultimate biodegradability as defined by OECD 301B.

Bio Accumulative Potential

Does NOT bioaccumulate significantly.

Mobility in Soil

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to the soil particles and will NOT be mobile.

Persistent Bio Accumulative and Toxic Assessment and Very Persistent and Very Bio Accumulative

The synthetic fluid does NOT meet all the screening criteria for persistence, bioaccumulation, and toxicity; therefore, it is NOT classified as a PBT or vPvB compound.

Ozone Depletion Potential

The synthetic fluid does NOT have ozone depletion potential, photochemical ozone creation potential or global warming potential.

Other Adverse Effects

- The synthetic fluid is a mixture of Non-Volatile components, which will NOT be released to air in any significant quantities under normal conditions of use.
- Unless indicated otherwise, the data presented is representative of the synthetic fluid as a whole, rather than for individual component(s).

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Recover or recycle if possible.
- It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated and to determine the proper waste classification and disposal methods in compliance with applicable regulations.
- Do not dispose into the environment, in drains or in water courses.
- Waste arising from spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand.
- Do not dispose of tank water bottoms by allowing them to drain into the ground.
- MARPOL - see International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) which provides technical aspects of controlling pollution from ships.

Container Disposal

- Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor.
- The competence of the collector or contractor should be established beforehand.

Local Legislation

Dispose in accordance with applicable regional, national, and local laws and regulations.

SECTION 14 - TRANSPORT INFORMATION

Description	Regulation	Result
U.S. Department of Transportation (DOT)	49 CFR Parts 171-180	Not regulated as a dangerous good
United Nations Number / ID Number	ADN	Not regulated as a dangerous good
	ADR	Not regulated as a dangerous good
	RID	Not regulated as a dangerous good
	IMDG	Not regulated as a dangerous good
	IATA	Not regulated as a dangerous good
United Nations Proper Shipping Name	ADN	Not regulated as a dangerous good
	ADR	Not regulated as a dangerous good
	RID	Not regulated as a dangerous good
	IMDG	Not regulated as a dangerous good
	IATA	Not regulated as a dangerous good
Transport Hazard Class(es)	ADN	Not regulated as a dangerous good
	ADR	Not regulated as a dangerous good
	RID	Not regulated as a dangerous good
	IMDG	Not regulated as a dangerous good
	IATA	Not regulated as a dangerous good

Packing Group	ADN	Not regulated as a dangerous good
	ADR	Not regulated as a dangerous good
	RID	Not regulated as a dangerous good
	IMDG	Not regulated as a dangerous good
	IATA	Not regulated as a dangerous good
Environmental Hazards	ADN	Not regulated as a dangerous good
	ADR	Not regulated as a dangerous good
	RID	Not regulated as a dangerous good
	IMDG	Not regulated as a dangerous good
	IATA	Not regulated as a dangerous good

SECTION 15 - REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this synthetic fluid.

U.S. FEDERAL REGULATIONS

U.S. EPA Emergency Planning and Community Right to Know Act (EPCRA)

This synthetic fluid does NOT contain any chemicals with CERCLA RQ.

U.S. EPA Clean Water Act

This synthetic fluid does NOT contain any hazardous chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

U.S. EPA Comprehensive Environmental Response Compensation and Liability Act (CERCLA)

This synthetic fluid does NOT contain any chemicals with U.S. EPA CERCLA reportable quantities.

U.S. EPA Superfund Amendments and Reauthorization Act (SARA)

This synthetic fluid does NOT contain any chemicals with SARA reportable quantities.

U.S. EPA Toxic Substances Control Act (TSCA)

All components listed.

U.S. EPA SARA Section 302 Extremely Hazardous Substances Threshold Planning Quantity

This synthetic fluid does NOT contain any components with a section 302 EHS TPQ.

U.S. EPA SARA Section 304 Extremely Hazardous Substances Reportable Quantity

This synthetic fluid does NOT contain any components with a section 304 EHS RQ.

U.S. EPA SARA Section 311/312 (Title III Hazard Categories)

Acute Health	NO
Chronic Health	NO
Fire Hazard	NO
Pressure Hazard	NO
Reactive Hazard	NO

U.S. EPA SARA Section 313

This synthetic fluid does NOT contain any chemicals subject to the reporting requirements of SARA Title III, section 313.

U.S. STATE REGULATIONS

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This synthetic fluid does NOT contain any chemicals known to the State of California to cause cancer, birth defects or reproductive harm.

CANADIAN REGULATIONS

Canadian Domestic Substance List (DSL)

All components listed.

Workplace Hazardous Materials Information System (WHMIS)

None. This synthetic fluid is NOT a controlled product under the Canadian WHIMIS.

Bureau de Normalisation du Quebec (BNQ)

Standard	BNQ 2410-300/2009-10-01
Description	Products Used as Dust Control Agents for Non-Asphalted Roads and Other Similar Surfaces
Certification Protocol	BNQ 2410-900/2010-01-12
Certificate Number	3941

EUROPEAN REGULATIONS

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Description	Result
REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures, and articles (Annex XVII)	NOT applicable
REACH – List of substances subject to authorization (Annex XIV)	Product is NOT subject to Authorization under REACH
Volatile Organic Compounds (VOC)	VOC content = 0%

European Inventory of Existing Commercial

All components listed.

SECTION 16 – OTHER INFORMATION

Full Text of Other Abbreviations

Abbreviation	Definition
ACGIH	American Conference of Governmental Industrial Hygienists
ADN	EU Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	EU Agreements Concerning the International Carriage of Dangerous Goods by Road
ACGIH	American Conference of Governmental Industrial Hygienists
APE	Alkylphenol Compounds
APEO	Alkylphenol Ethoxylates Substances
ASTM	American Society for Testing and Materials
BNQ	Bureau De Normalisation Du Quebec
BPA	Bisphenol A Substances
CAGE	U.S. Commercial and Government Entity
CAS	Chemical Abstracts Service
CERCLA	U.S. EPA Comprehensive Environmental Response, Compensation, and Liability Act
CFR	U.S. Code of Federal Regulations
COC	Cleveland Open Cup
CV	Chronic Value (Geometric Mean of NOEC and LOEC)
D&B	Dun & Bradstreet
DOT	U.S. Department of Transportation
DSL	Canadian Domestic Substances List
DUNS	Data Universal Number System provided by D&B
EC	European Community Number
EF	Effective Loading
EHS	Extremely Hazardous Substances
EPA	U.S. Environmental Protection Agency
EPCRA	U.S. EPA Emergency Planning and Community Right-to-Know Act
EU	European Union

FDA	U.S. Food and Drug Administration
GC-MS	Gas chromatography and mass spectrometry
GHS	Globally Harmonized System for Classification and Labeling of Chemicals
GSA	U.S. Government Services Administration
HDPE	High Density Polyethylene
HMIS	U.S. Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IC_{25}	Inhibitory Concentration 25%
IC_{50}	Inhibitory Concentration 50%
IL_{50}	Inhibitory Loading 50%
IMDG	International Maritime Dangerous Goods
ISO	International Standards Organization
LC_{50}	Lethal Concentration 50%
LL	Lethal Loading
LOEC	Lowest Observed (Adverse) Effect Concentration
MARPOL	International Convention for the Prevention of Pollution from Ships
NFPA	U.S. National Fire Protection Association
NOEC	No Observed (Adverse) Effect Concentration
NPEO	Nonylphenol Ethoxylates Substances
NSN	U.S. National Stock Number
NTP	U.S. National Toxicology Program
OECD	Organisation for Economic Co-operation and Development
OSHA	U.S. Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbons
PBT	Persistent, Bio accumulative and Toxic
PCB	Polychlorinated biphenyls
PCDD	Polychlorinated Dibenzodioxins
PCDF	Polychlorinated Dibenzofurans
PFAS	Perfluoroalkyl and Polyfluoroalkyl Substances
PFC	Perfluorinated Compounds
PMCC	Pensky–Martens Closed-Cup
PPE	Personal Protective Equipment
Prop 65	California Office of Environmental Health Hazard Assessment Proposition 65
REACH	EU Regulation No 1907/2006, Registration, Evaluation, Authorization and Restriction of Chemicals
RID	EU Agreements Concerning the International Carriage of Dangerous Goods by Rail
RQ	Reportable Quantity
SAM	U.S. System for Award Management
SARA	U.S. EPA Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity
SVOC	Semi-Volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
TPQ	Threshold Planning Quantity
TSCA	U.S. EPA Toxic Substances Control Act
TWA	Time Weighted Average
UN	United Nations
U.S.	United States
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bio-Accumulative
WHMIS	Canadian Workplace Hazardous Materials Information System
WHO	World Health Organization
ZHE	Zero-Headspace Extractor

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