SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1751	**COMPANY PHONE:**	1-800-241-8180
PRODUCT NAME:	PEAK PERFORMANCE	**EMERGENCY TELEPHONE:**	1-800-241-8180
PRODUCT DESCRIPTION:	Aerosol Air Tool Lubricant and Cleaner	**INFOTRAC:**	1-800-535-5053
COMPANY INFORMATION:	**PRO CHEM, INC.** 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:
Physical Hazards:
Flammable aerosol – Category 1
Health Hazards:
Aspiration Hazard – Category 1
Environment Hazards:
Acute hazards to the aquatic environment – Category 2

SIGNAL WORD:
DANGER

SYMBOL:

HAZARD STATEMENTS:
Extremely flammable aerosol. May be fatal if swallowed and enters airways. Toxic to aquatic life.

PRECAUTIONARY STATEMENTS:
Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid release to the environment.
Response: IF SWALLOWED: Immediately call a poison center/doctor. Do NOT induce vomiting.
Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.
Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

HAZARDS NOT OTHERWISE SPECIFIED:
None.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Distillates (petroleum), light distillate hydrotreating process, low-boiling	68410-97-9	25 - <50%
Naphtha (petroleum), light alkylate	64741-66-8	10 - <25%
Butane	106-97-8	10 - <20%
White mineral oil (petroleum)	8042-47-5	10 - <20%
Petrolatum	8009-03-8	5 - <10%
Ethanol	64-17-5	5 - <10%
Propane	74-98-6	5 - <10%
Solvent naphtha (petroleum), light aliph.	64742-89-8	1 - <5%
Heptane	142-82-5	1 - <5%
Heptane, branched, cyclic and linear	426260-76-6	1 - <2.5%
Naphtha (petroleum), hydrotreated light	64742-49-0	1 - <5%

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
The exact concentration has been withheld as a trade secret.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

SKIN: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

INHALATION:
Move to fresh air.

INGESTION:
Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

PERSONAL PROTECTION FOR FIRST-AID RESPONDERS:
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, SCBA.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:
Symptoms: No data available.
Hazards: No data available.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
Treatment: Symptoms may be delayed.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Vapors may travel considerable distance to a source of ignition and flash back.

SPECIFIC FIRE-FIGHTING METHODS:

No data available.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

GENERAL FIRE HAZARDS:

Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

ACCIDENTAL RELEASE MEASURES:

Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

MATERIALS AND METHODS FOR CLEANUP:

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

ENVIRONMENTAL PRECAUTIONS:

Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

7. Handling and Storage

SAFE HANDLING:

Technical Measures (e.g. Local and general ventilation): No data available.

Safe Handling Advice: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

Contact Avoidance Measures: No data available.

SAFE STORAGE AND INCOMPATIBILITIES:

Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 3

Safe Packaging Materials: No data available.

Storage Temperature: No data available.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

Occupational exposure limits:

Chemical Identity:	Type	Exposure Limit Values		Source
Distillates (petroleum), light distillate hydrotreating process, low-boiling - Mist.	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Butane	REL	800 ppm	1,900 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	800 ppm	1,900 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
White mineral oil (petroleum) - Mist.	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
White mineral oil (petroleum) - Inhalable fraction.	TWA		5 mg/m³	US. ACGIH Threshold Limit Values, as amended
Petrolatum - Mist.	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Petrolatum - Inhalable fraction.	TWA		5 mg/m³	US. ACGIH Threshold Limit Values, as amended
Petrolatum - Mist.	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Ethanol	REL	1000 ppm	1,900 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	1000 ppm	1,900 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	1000 ppm	1,900 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	1000 ppm		US. ACGIH Threshold Limit Values, as amended
Propane	REL	1000 ppm	1,800 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	1000 ppm	1,800 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	1000 ppm	1,800 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended

Solvent naphtha (petroleum), light aliph.	TWA	100 ppm	400 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	100 ppm	400 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	REL	100 ppm	400 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Naphtha (petroleum), hydrotreated light	REL	100 ppm	400 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm	400 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	100 ppm	400 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Heptane	TWA	400 ppm	1,600 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	85 ppm	350 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	500 ppm	2,000 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	STEL	500 ppm	2,000 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	400 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	500 ppm		US. ACGIH Threshold Limit Values, as amended
	Ceil_Time	440 ppm	1,800 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
2-Propanol, 2-methyl-	STEL	150 ppm	450 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm	300 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	100 ppm	300 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	100 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	150 ppm	450 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	100 ppm	300 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates (petroleum), hydrotreated heavy naphthenic	TWA	400 ppm	1,600 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	500 ppm	2,000 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Distillates (petroleum), hydrotreated heavy naphthenic - Mist.	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Distillates (petroleum), hydrotreated heavy naphthenic	Ceil-Time		1,800 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates (petroleum), hydrotreated heavy naphthenic - Inhalable fraction.	TWA		5 mg/m³	US. ACGIH Threshold Limit Values, as amended
Distillates (petroleum), hydrotreated heavy naphthenic	REL		350 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO - Inhalable fraction.	TWA		5 mg/m³	US. ACGIH Threshold Limit Values, as amended
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO - Mist.	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates, Petroleum, Hydrotreated Light Naphthenic - Mist.	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Distillates, Petroleum, Hydrotreated Light Naphthenic	TWA	400 ppm	1,600 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	500 ppm	2,600 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Distillates, Petroleum, Hydrotreated Light Naphthenic - Mist.	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates, Petroleum, Hydrotreated Light Naphthenic	Ceil_Time		1,800 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL		350 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates, Petroleum, Hydrotreated Light Naphthenic - Inhalable fraction.	TWA		5 mg/m³	US. ACGIH Threshold Limit Values, as amended
Distillates (petroleum), solvent-dewaxed heavy paraffinic	TWA	400 ppm	1,600 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	500 ppm	2,000 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Distillates (petroleum), solvent-dewaxed heavy paraffinic - Mist.	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Distillates (petroleum), solvent-dewaxed heavy paraffinic - Inhalable fraction.	TWA		5 mg/m³	US. ACGIH Threshold Limit Values, as amended
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Ceil_Time		1,800 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL		350 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates (petroleum), hydrotreated light paraffinic - Mist.	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Distillates (petroleum), hydrotreated light paraffinic - Inhalable	TWA		5 mg/m³	US. ACGIH Threshold Limit Values, as amended

fraction.				
Distillates (petroleum), solvent-dewaxed light paraffinic - Mist.	STEL		10 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA		5 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL		5 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates (petroleum), solvent-dewaxed light paraffinic - Inhalable fraction.	TWA		5 mg/m³	US. ACGIH Threshold Limit Values, as amended
Benzene, methyl-	STEL	150 ppm	560 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	100 ppm	375 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm	375 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	Ceiling	300 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	TWA	20 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	MAX. CONC	500 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	STEL	150 ppm	560 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Benzene	REL	0.1 ppm		US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	1 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	Ceiling	25 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	TWA	0.5 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	2.5 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	5 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended
	OSHA_ ACT	0.5 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended
	TWA	10 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	MAX. CONC	50 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	STEL	5 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	1 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended
	STEL	1 ppm		US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Benzene, (1-methylethyl)-	REL	50 ppm	245 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	50 ppm		US. ACGIH Threshold Limit Values, as amended
	PEL	50 ppm	245 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	50 ppm	245 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	1 ppm		US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended
Benzene, ethyl-	STEL	125 ppm	545 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL	100 ppm	435 mg/m³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	100 ppm	435 mg/m³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	STEL	125 ppm	545 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	100 ppm	435 mg/m³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	20 ppm		US. ACGIH Threshold Limit Values, as amended

BIOLOGICAL LIMIT VALUE:

Chemical Identity	Exposure Limit Values	Source
Benzene, methyl- (toluene: Sampling time: End of shift.)	0.03 mg/l (Urine)	ACGIH BEL
Benzene, methyl- (o-Cresol, with hydrolysis: Sampling time: End of shift.)	0.3 mg/g (Creatinine in urine)	ACGIH BEL
Benzene, methyl- (toluene: Sampling time: Prior to last shift of work week.)	0.02 mg/l (Blood)	ACGIH BEL
Benzene (S-Phenylmercapturic acid: Sampling time: End of shift.)	25 µg/g (Creatinine in urine)	ACGIH BEL
Benzene (t,t-Muconic acid: Sampling time: End of shift.)	500 µg/g (Creatinine in urine)	ACGIH BEL
Benzene, ethyl- (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.)	0.15 g/g (Creatinine in urine)	ACGIH BEL

EXPOSURE GUIDELINES:

Benzene	US. ACGIH Threshold Limit Values, as amended	Can be absorbed through the skin.

APPROPRIATE ENGINEERING CONTROLS:

No data available.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: Wear safety glasses with side shields (or goggles).

Skin Protection:

Hand Protection: No data available.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

General Hygiene Considerations: Observe good industrial hygiene practices. When using do not smoke.

9. Physical & Chemical Properties

Physical State:	Liquid.	**Flammability (solid/gas):**	No data available
Form:	Spray Aerosol.	**Explosive Limit – lower (%):**	Estimated 1.9%(V)
Color:	No data available.	**Explosive Limit – upper (%):**	Estimated 9.5%(V)
Odor:	No data available.	**Vapor Pressure:**	2,068 - 3,447 hPa (20°C)
Odor Threshold:	No data available.	**Vapor Density (air=1):**	No data available.
pH:	No data available.	**Density:**	No data available.
Freezing Point:	No data available.	**Relative Density:**	No data available.
Boiling Point/Range:	Estimated 95°C	**Solubility (water):**	No data available.
Partition Coeff (n-octanol/water):	No data available.	**Solubility (other):**	No data available.
Kinematic Viscosity:	No data available.	**Self-Ignition Temperature:**	No data available.
Dynamic Viscosity:	No data available.	**Decomposition Temperature:**	No data available.
Flash Point:	Estimated -104.4°C	**Oxidizing Properties:**	No data available.
Explosive Properties:	No data available.	**Evaporations Rate:**	No data available.

10. Stability & Reactivity Information

REACTIVITY:
No data available.
CHEMICAL STABILITY:
Material is stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:
No data available.
INCOMPATIBLE MATERIALS:
No data available.
CONDITIONS TO AVOID:
Avoid heat or contamination.
HAZARDOUS DECOMPOSITION PRODUCTS:
No data available.

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:
Eyes: No data available.
Skin: No data available.
Inhalation: No data available.
Ingestion: No data available.
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:
Eyes: No data available.
Skin: No data available.
Inhalation: No data available.
Ingestion: No data available.
ACUTE TOXICITY:
Oral Product: Not classified for acute toxicity based on available data.
Dermal Product: Not classified for acute toxicity based on available data.
Inhalation Product: Not classified for acute toxicity based on available data.
REPEATED DOSE TOXICITY:
Product: No data available.

Components	
Distillates (petroleum), light distillate hydrotreating process, low-boiling	NOAEL (Rat(Female, Male), Inhalation): 9,840 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Dermal, 5 - 28 d): 3,750 mg/kg Dermal Experimental result, Key study NOAEL (Rat(Male), Oral, 28 d): < 500 mg/kg Oral Experimental result, Supporting study
Naphtha (petroleum), light alkylate	NOAEL (Mouse, Rat(Female, Male), Inhalation, 107 - 113 Weeks): 1,402 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Dermal, 5 - 28 d): 3,750 mg/kg Dermal Experimental result, Key study
Butane	LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study
White mineral oil (petroleum) Petrolatum	NOAEL (Rat(Female, Male), Oral, 90 d): >= 20,000 ppm(m) Oral Experimental result, Key study NOAEL (Rat(Female, Male), Dermal, 13 Weeks): > 2,000 mg/kg Dermal Read-across from supporting substance (structural analogue or surrogate), Key study
Ethanol	NOAEL (Rat(Male), Oral, 7 - 14 Weeks): 10% (m) Oral Experimental result, Key study
Propane	NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
Solvent naphtha (petroleum), light aliph.	NOAEL (Mouse, Rat(Female, Male), Inhalation, 107 - 113 Weeks): 1,402 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Dermal, 5 - 28 d): 3,750 mg/kg Dermal Experimental result, Key study NOAEL (Rat(Female, Male), Dermal, 28 d): > 375 mg/kg Dermal Experimental result, Supporting study
Heptane	NOAEL (Rat(Male), Inhalation): 12,470 mg/m3 Inhalation Experimental result, Key study

Naphtha (petroleum), hydrotreated light	NOAEL (Rat(Female, Male), Inhalation): 10,000 mg/m3 Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Oral, 13 Weeks): 1,250 mg/kg Oral Read-across based on grouping of substances (category approach), Key study NOAEL (Rat(Female, Male), Dermal, 28 d): > 375 mg/kg Dermal Experimental result, Supporting study

SKIN CORROSION/IRRITATION:

Product: No data available.

Components	
Distillates (petroleum), light distillate hydrotreating process, low-boiling	Assessment Not irritating
Naphtha (petroleum), light alkylate	In vitro (Human): not corrosive
White mineral oil (petroleum)	in vivo (Rabbit): Not irritant
Ethanol, 2,2'-iminobis-	in vivo (Rabbit): Not irritant
Solvent naphtha (petroleum), light aliph.	Assessment Non-Irritating
Heptane	in vivo (Rabbit): Irritating
Heptane, branched, cyclic and linear	Assessment Irritating.
Naphtha (petroleum), hydrotreated light	Assessment Non-Irritating In vitro (Human): not corrosive

SERIOUS EYE DAMAGE/IRRITATION:

Product: No data available.

Components	
Distillates (petroleum), light distillate hydrotreating process, low-boiling	Rabbit, 24 - 72 hrs: Not irritating
Naphtha (petroleum), light alkylate	Rabbit, 24 - 72 hrs: Not irritating
White mineral oil (petroleum)	Rabbit, 24 - 72 hrs: Not irritating
Petrolatum	Rabbit, 24 - 72 hrs: Not irritating
Ethanol	Rabbit, 1 - 24 hrs: Not irritating
Solvent naphtha (petroleum), light aliph.	Rabbit: Not irritating
Heptane	Rabbit, 24 - 72 hrs: Not irritating
Naphtha (petroleum), hydrotreated light	Rabbit, 24 - 72 hrs: Not irritating

RESPIRATORY OR SKIN SENSITIZATION:

Product: No data available.

Components	
Distillates (petroleum), light distillate hydrotreating process, low-boiling	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Naphtha (petroleum), light alkylate	Skin sensitization:, in vivo (Guinea pig): Non sensitising
White mineral oil (petroleum)	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Petrolatum	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Ethanol	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Solvent naphtha (petroleum), light aliph.	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Heptane	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Naphtha (petroleum), hydrotreated light	Skin sensitization:, in vivo (Guinea pig): Non sensitizing

CARCINOGENICITY:

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified.

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) as amended:

No carcinogenic components identified.

GERM CELL MUTAGENICITY:

In vitro Product: No data available.

In vivo Product: No data available.

REPRODUCTIVE TOXICITY:

Product: No data available.

SPECIFIC TARGET ORGAN TOXICITY (single exposure):

Product: No data available.

Heptane: Narcotic effect. - Category 3 with narcotic effects.

SPECIFIC TARGET ORGAN TOXICITY (repeated exposures):

Product: No data available.

ASPIRATION HAZARD:

Product: No data available.

Components	
Distillates (petroleum), light distillate hydrotreating process, low-boiling	May be fatal if swallowed and enters airways.
Naphtha (petroleum), light alkylate	May be fatal if swallowed and enters airways.
White mineral oil (petroleum)	May be fatal if swallowed and enters airways.
Solvent naphtha (petroleum), light aliph.	May be fatal if swallowed and enters airways.
Heptane	May be fatal if swallowed and enters airways.
Heptane, branched, cyclic and linear	May be fatal if swallowed and enters airways.
Naphtha (petroleum), hydrotreated light	May be fatal if swallowed and enters airways.

OTHER EFFECTS:

No data available.

12. Ecological Information

ECOTOXICITY:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Distillates (petroleum), light distillate hydrotreating process, low-boiling	LL 50 (Pimephales promelas, 96 h): 8.2 mg/l Experimental result, Key study
Naphtha (petroleum), light alkylate	LL 50 (Oncorhynchus mykiss, 96 h): 10 mg/l Experimental result, Key study
Butane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
White mineral oil (petroleum)	NOAEL (Oncorhynchus mykiss, 96 h): >= 100 mg/l Experimental result, Key study
Petrolatum	NOAEL (Pimephales promelas, 96 h): >= 100 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
Ethanol	LC 50 (Pimephales promelas, 96 h): 15.3 g/l Experimental result, Key study
Propane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Heptane	LC 50 (Mozambique tilapia (Tilapia mossambica), 96 h): 375 mg/l Mortality
Naphtha (petroleum), hydrotreated light	LC 50 (96 h): 8.41 mg/l Experimental result, Key study

Aquatic Invertebrates:

Product: No data available.

Components:

Distillates (petroleum), light distillate hydrotreating process, low-boiling	EC 50 (Daphnia magna, 48 h): 4.5 mg/l Experimental result, Key study NOAEL (Daphnia magna, 48 h): 0.5 mg/l Experimental result, Key study
Naphtha (petroleum), light alkylate	EC 50 (Daphnia magna, 48 h): 4.5 mg/l Experimental result, Key study NOAEL (Daphnia magna, 48 h): 0.5 mg/l Experimental result, Key study
Butane	LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
White mineral oil (petroleum)	NOAEL (Daphnia magna, 48 h): >= 100 mg/l Experimental result, Key study
Petrolatum	EC 50 (Daphnia magna, 48 h): > 10,000 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
Ethanol	LC 50 (Ceriodaphnia dubia, 48 h): 5,012 mg/l Experimental result, Key study
Solvent naphtha (petroleum), light aliph.	EC 50 (Daphnia magna, 48 h): 32 mg/l Experimental result, Supporting study
Heptane	EC 50 (Daphnia magna, 48 h): 1.5 mg/l Experimental result, Key study
Naphtha (petroleum), hydrotreated light	EC 50 (Daphnia magna, 48 h): 1.5 mg/l Experimental result, Key study

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Distillates (petroleum), light distillate hydrotreating process, low-boiling	NOAEL (Pimephales promelas): 2.6 mg/l Experimental result, Supporting study
Naphtha (petroleum), light alkylate	NOAEL (Pimephales promelas): 2.6 mg/l Experimental result, Supporting study
White mineral oil (petroleum)	LC 50 (Pimephales promelas): 16.25 mg/l Experimental result, Supporting study
Ethanol	NOAEL (Oryzias latipes): 7,900 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
Heptane	NOAEL (Oncorhynchus mykiss): 1.284 mg/l QSAR QSAR, Key study
Naphtha (petroleum), hydrotreated light	NOAEL (Daphnia magna): 2.6 mg/l Other, Key study

Aquatic Invertebrates:
Product: No data available.

Components:

Distillates (petroleum), light distillate hydrotreating process, low-boiling	NOAEL (Daphnia magna): 2.6 mg/l Experimental result, Key study
Naphtha (petroleum), light alkylate	NOAEL (Daphnia magna): 2.6 mg/l Experimental result, Key study
White mineral oil (petroleum)	NOAEL (Daphnia magna): >= 1,000 mg/l QSAR QSAR, Supporting study
Ethanol	LC 50 (Daphnia magna): 454 mg/l Experimental result, Key study NOAEL (Daphnia magna): 9.6 mg/l Experimental result, Key study
Heptane	NOAEL (Daphnia magna): 0.17 mg/l Read-across based on grouping of substances (category approach), Key study EC 50 (Daphnia magna): 0.23 mg/l Read-across based on grouping of substances (category approach), Key study
Heptane, branched, cyclic and linear	NOEC : < 1 mg/l estimation
Naphtha (petroleum), hydrotreated light	EC 50 (Daphnia magna): 10 mg/l Experimental result, Key study

Toxicity to Aquatic Plants:
Product: No data available.

PERSISTENCE AND DEGRADABILITY:

Biodegradation Product: No data available.

Components:

Distillates (petroleum), light distillate hydrotreating process, low-boiling	90.35% (28 d) Detected in water. Experimental result, Supporting study
Naphtha (petroleum), light alkylate	77.05% Detected in water. Experimental result, Supporting study 90.35% (28 d) Detected in water. Experimental result, Supporting study
Butane	100% (385.5 h) Detected in water. Experimental result, Key study
White mineral oil (petroleum)	31% (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Supporting study
Petrolatum	31% (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Supporting study
Ethanol	95% Detected in water. Experimental result, Key study
Propane	100% (385.5 h) Detected in water. Experimental result, Key study 50% (3.19 d) Detected in water. QSAR, Weight of Evidence study
Solvent naphtha (petroleum), light aliph.	90.35% (28 d) Detected in water. Experimental result, Supporting study
Heptane	70% Detected in water. Experimental result, Key study
Naphtha (petroleum), hydrotreated light	90.35% (28 d) Detected in water. Experimental result, Supporting study

BOD/COD RATIO:

Product: No data available.

BIOACCUMULATIVE POTENTIAL:

Bioconcentration Factor (BCF)
Product: No data available.

Components:

Distillates (petroleum), light distillate hydrotreating process, low-boiling	Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study
Naphtha (petroleum), light alkylate	Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study

Ethanol	Cyprinus carpio, Bioconcentration Factor (BCF): 4.5 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study
Solvent naphtha (petroleum), light aliph.	Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study
Heptane	Bioconcentration Factor (BCF): 552 Aquatic sediment Estimated by calculation, Key study
Naphtha (petroleum), hydrotreated light	Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study

PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW):

Product: No data available.

Components:

Naphtha (petroleum), hydrotreated light	Log Kow: > 2.4 - < 5.7 23°C Yes Experimental result, Key study

MOBILITY IN SOIL:

No data available.

Components:

Distillates (petroleum), light distillate hydrotreating process, low-boiling	No data available.
Naphtha (petroleum), light alkylate	No data available.
Butane	No data available.
White mineral oil (petroleum)	No data available.
Petrolatum	No data available.
Ethanol	No data available
Propane	No data available
Solvent naphtha (petroleum), light aliph.	No data available
Heptane	No data available
Heptane, branched, cyclic and linear	No data available
Naphtha (petroleum), hydrotreated light	No data available

OTHER ADVERSE EFFECTS:

Toxic to aquatic organisms.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:

Discharge, treatment or disposal may be subject to national, state or local laws.

CONTAMINATED PACKAGING:

No data available.

14. Transportation Information

DOT:

UN Number: UN1950
UN Proper Shipping Name: Aerosols, flammable.
Transport Hazard Class(es)
Class: 2.1
Label(s): -
EmS No.:
Packing Group: II
Special precautions for user: Not regulated.

IATA:

UN Number: UN1950
UN Proper Shipping Name: Aerosols, flammable.
Transport Hazard Class(es)
Class: 2.1
Label(s): -
Packing Group: -
Special Precautions for User: Not regulated.
Other Information:
Passenger and Cargo Aircraft: Allowed. 203
Cargo Aircraft Only: Allowed. 203

IMDG:

UN Number: UN1950
UN Proper Shipping Name: Aerosols, flammable.
Transport Hazard Class(es)
Class: 2
Subsidiary Risk: -
Label(s): -
EmS No: -
Packing Group: -
Special Precautions for User: Not regulated.

15. Regulatory Information

US FEDERAL REGULATIONS:

Restrictions on Use: Not known.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

Chemical Identity	OSHA Hazard(s)
Benzene	Flammability
	Cancer
	Aspiration

Eye
Blood
Skin
Respiratory tract irritation
Central nervous system

CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4):

Chemical Identity:

Unlisted hazardous wastes characteristics of ignitability
RCRA Hazardous waste No. D001
Benzene, Methyl
Benzene
Benzene, 1-Methylethyl-
Cumene
Ethylbenzene

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

Hazard Categories: Flammable (gases, aerosols, liquids, or solids), Aspiration Hazard

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances:

None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required: None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US. STATE REGULATIONS

US. California Proposition 65: For more information go to www.P65Warnings.ca.gov.

US. New Jersey Worker and Community Right-to-Know Act:

Chemical Identity:

Distillates (petroleum), light distillate hydrotreating process, low-boiling
Butane
White mineral oil (petroleum)
Petrolatum
Ethanol
Propane
Solvent naphtha (petroleum), light aliph.
Naphtha (petroleum), hydrotreated light
Heptane

US. Massachusetts RTK - Substance List:

Chemical Identity:

Distillates, Petroleum, Hydrotreated Light Naphthenic
Distillates (petroleum), hydrotreated light paraffinic
Distillates (petroleum), solvent-dewaxed light paraffinic
Benzene

US. Pennsylvania RTK - Hazardous Substances:

Chemical Identity:

Distillates (petroleum), light distillate hydrotreating process, low-boiling
Butane
White mineral oil (petroleum)
Petrolatum
Ethanol
Propane
Solvent naphtha (petroleum), light aliph.
Naphtha (petroleum), hydrotreated light
Heptane

US. Rhode Island RTK: No ingredient regulated by RI Right-to-Know Law present.

INTERNATIONAL REGULATIONS:

Montreal Protocol: Not applicable.
Stockholm Convention: Not applicable.
Rotterdam Convention: Not applicable.
Kyoto Protocol: Not applicable.

INVENTORY STATUS:

Australia AICS	On or in compliance with the inventory.
Canada DSL Inventory List	On or in compliance with the inventory.
Canada NDSL Inventory	Not in compliance with the inventory.
Ontario Inventory	Not in compliance with the inventory.
China Inv. Existing Chemical Substances	Not in compliance with the inventory.
Japan (ENCS) List	Not in compliance with the inventory.
Japan ISHL Listing	Not in compliance with the inventory.
Japan Pharmacopoeia Listing	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI)	On or in compliance with the inventory.
Mexico INSQ	Not in compliance with the inventory.
New Zealand Inventory of Chemicals	On or in compliance with the inventory.
Philippines PICCS	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory	On or in compliance with the inventory.
US TSCA Inventory	On or in compliance with the inventory.
EINECS, ELINCS or NLP	Not in compliance with the inventory.

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, I njury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.