






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1482	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	SLICK	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	All-Season Aerosol Wax	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 aerosols: Category 1 Health Hazards: Skin corrosion/irritation: Category 2 Toxic to Reproduction: Category 2 Specific target organ toxicity, single exposure: Category 3 (narcotic effects.) Specific target organ toxicity, repeated exposure: Category 2 Aspiration hazard: Category 1 Environmental Hazards: Acute hazards to the aquatic environment: Category 2 Chronic hazards to the aquatic environment: Category 3	SIGNAL WORD: DANGER	SYMBOL:			
---	--------------------------------------	----------------	---	---	---

HAZARD STATEMENTS:

Extremely flammable aerosol. Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT:

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. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid release to the environment.

Response IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

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.

HAZARD(S) NOT OTHERWISE CLASSIFIED:

None.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Content in percent (%)*
Butane	106-97-8	20 - <50%
Naphtha (petroleum), hydrotreated light	64742-49-0	10 - <25%
Hexane	110-54-3	10 - <20%
Distillates (petroleum), light distillate hydrotreating process, low-boiling	68410-97-9	10 - <25%
Propane	74-98-6	10 - <20%
Siloxanes and Silicones, di-Me	63148-62-9	1 - <5%
Octamethyleyclotetrasiloxane	556-67-2	0.1 - <1%

* 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: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

SKIN: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical 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.

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

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.

SUITABLE FIRE EXTINGUISHING MEDIA:

Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE 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.

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.

SPECIFIC METHODS:

No data available.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

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.

METHODS AND MATERIALS FOR CONTAINEMENT AND CLEAN UP:

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:

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. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with skin. Wash hands thoroughly after handling.

TECHNICAL MEASURES (E.G. LOCAL AND GENERAL VENTILATION):

No data available.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY 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
Butane	REL	800 ppm	1,900 mg/m ³	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/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Naphtha (petroleum), hydrotreated light	REL	100 ppm	400 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm	400 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	100 ppm	400 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Hexane	TWA	50 ppm	180 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	500 ppm	1,800 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	REL	50 ppm	180 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Distillates (petroleum), light distillate hydrotreating process, low-boiling - Mist	TWA	50 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL		10 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA		5 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL		5 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL		5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	REL		5 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Propane	REL	1,000 ppm	1,800 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	1,000 ppm	1,800 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	1,000 ppm	1,800 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Cyclohexane	TWA	100 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	300 ppm	1,050 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	300 ppm	1,050 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	300 ppm	1,050 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR

				1910.1000), as amended
Heptane	TWA	400 ppm	1,600 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	85 ppm	350 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	500 ppm	2,000 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	STEL	500 ppm	2,000 mg/m ³	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/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	REL		5 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA		5 mg/m ³	US. ACGIH Threshold Limit Values, as amended
	TWA		5 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Benzene, 1,1'-oxybis- - Vapor.	STEL	2 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	1 ppm		US. ACGIH Threshold Limit Values, as amended
	REL	1 ppm	7 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	1 ppm	7 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	1 ppm	7 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Benzene, methyl-	STEL	150 ppm	560 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	REL	100 ppm	375 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm	375 mg/m ³	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/m ³	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_A CT	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	1ppm		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, ethyl-	STEL	120 ppm	545 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL	100 ppm	435 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	100 ppm	435 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	STEL	120 ppm	545 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	100 ppm	435 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	20 ppm		US. ACGIH Threshold Limit Values, as amended
Naphthalene	STEL	15 ppm	75 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL	10 ppm	50 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	10 ppm	50 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	10 ppm	50 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	10 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	15 ppm	75 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended

BIOLOGICAL LIMIT VALUES:

CHEMICAL IDENTITY	EXPOSURE LIMIT VALUE	SOURCE
Hexane (2,5-Hexanedion, without hydrolysis: Sampling time: End of shift.)	0.5 mg/l (Urine)	ACGIH BEL
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:

Hexane	US. ACGIH Threshold Limit Values, as amended	Can be absorbed through the skin.
Benzene	US. ACGIH Threshold Limit Values, as amended	Can be absorbed through the skin.
Naphthalene	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. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

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. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product.**9. Physical & Chemical Properties**

Appearance:		Vapor Pressure:	No data available.
Physical State:	Liquid.	Vapor Density (air=1):	No data available.
Form:	Spray Aerosol.	Density:	No data available.
Color:	No data available.	Relative Density:	No data available.
Odor:	No data available.	Solubility in water:	No data available.
Odor Threshold:	No data available.	Solubility (other):	No data available.
Freezing Point:	No data available.	Partition Coeff (n-octanol/water):	No data available.
Boiling Point:	No data available.	Self-ignition temperature:	No data available.
Flash Point:	Estimated -104.4°C	Decomposition Temperature:	No data available.
Flammability (solid, gas):	Not data available.	Kinematic Viscosity:	No data available.
Explosive Limit – upper (%):	Estimated 7.5% (V)	Dynamic Viscosity:	No data available.
Explosive Limit – lower (%):	Estimated 0.9% (V)	Explosive Properties:	No data available.
Evaporation Rate:	Not data available.	Oxidizing Properties:	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**LIKELY ROUTES OF EXPOSURE:****Eyes:** No data available.**Skin:** No data available.**Inhalation:** No data available.**Ingestion:** No data available.**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL & TOXICOLOGICAL CHARACTERISTICS:****Eyes:** No data available.**Skin:** No data available.**Inhalation:** No data available.**Ingestion:** No data available.**INFORMATION ON TOXICOLOGICAL EFFECTS:****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:**

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
Naphtha (petroleum), hydrotrated 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
Hexane	NOAEL (Mouse(Male), Inhalation, 13 Weeks): 500 ppm(m) Inhalation Experimental result, Key study LOAEL (Mouse(Male), Inhalation, 13 Weeks): 1,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Male), Inhalation, 16 Weeks): 3,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Mouse(Female), Inhalation, 13 Weeks): 500 ppm(m) Inhalation Experimental result, Key study

Distillates (petroleum), light distillate hydrotreating process, low-boiling	NOAEL (Rat(Female, Male), Inhalation): 9,840 mg/m ³ 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
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
Octamethyleyclotetrasiloxane	NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 480 ppm(m) Inhalation Experimental result, Supporting study

SKIN CORROSION/IRRITATION:

Product: No data available.

Components:

Naphtha (petroleum), hydrotreated light	Assessment Non-Irritating In vitro (Human): not corrosive
Hexane	Review Irritating.
Distillates (petroleum), light distillate hydrotreating process, low-boiling	Assessment Not irritating
Octamethyleyclotetrasiloxane	in vivo (Rabbit): Not irritant

SERIOUS EYE DAMAGE/EYE IRRITATION:

Product: No data available.

Components:

Naphtha (petroleum), hydrotreated light	Rabbit, 24 - 72 hrs: Not irritating
Hexane	Rabbit, 1 - 72 hrs: Not irritating
Distillates (petroleum), light distillate hydrotreating process, low-boiling	Rabbit, 24 - 72 hrs: Not irritating

RESPIRATORY OR SKIN SENSITIZATION:

Product: No data available.

Components:

Naphtha (petroleum), hydrotreated light	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Distillates (petroleum), light distillate hydrotreating process, low-boiling	Skin sensitization:, in vivo (Guinea pig): Non sensitising

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.

US. 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.

Components:

Hexane	Suspected of damaging fertility or the unborn child.
Octamethyleyclotetrasiloxane	Suspected of damaging fertility or the unborn child.

SPECIFIC TARGET ORGAN TOXICITY -single exposure:

Product: No data available.

Components:

Hexane	Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.
--------	--

SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:

Product: Inhalation - vapor: Nervous System - Category 2

Target Organs: Specific Target Organ Toxicity - Single Exposure: Narcotic effect.

ASPIRATION HAZARD

Product: No data available.

Components:

Naphtha (petroleum), hydrotreated light	Suspected of damaging fertility or the unborn child.
Hexane	May be fatal if swallowed and enters airways.
Distillates (petroleum), light distillate hydrotreating process, low-boiling	May be fatal if swallowed and enters airways.

OTHER EFFECTS:

Narcotic effect.

12. Ecological Information

ECOTOXICITY:

ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT:

FISH

Product: No data available.

Components:

Butane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Naphtha (petroleum), hydrotreated light	LC 50 (96 h): 8.41 mg/l Experimental result, Key study
Hexane	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 2.101 - 2.981 mg/l Mortality

Distillates (petroleum), light distillate hydrotreating process, low-boiling	LL 50 (Pimephales promelas, 96 h): 8.2 mg/l Experimental result, Key study
Propane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Siloxanes and Silicones, di-Me	LC 50 (Redear sunfish (Lepomis microlophus), 96 h): 26.27 - 56.73 mg/l Mortality

AQUATIC INVERTEBRATES:

Product: No data available.

Components:

Butane	LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
Naphtha (petroleum), hydrotreated light	EC 50 (Daphnia magna, 48 h): 4.5 mg/l Experimental result, Key study
Hexane	EC 50 (Daphnia magna, 48 h): 21.85 mg/l QSAR QSAR, Key study LC 50 (Water flea (Daphnia magna), 24 h): > 50 mg/l Mortality
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
Siloxanes and Silicones, di-Me	LC 50 (Water flea (Daphnia magna), 48 h): 44.5 mg/l Mortality

CHRONIC HAZARDS TO THE AQUATIC ENVIRONMENT:

FISH

Product: No data available.

Components:

Naphtha (petroleum), hydrotreated light	NOAEL (Daphnia magna): 2.6 mg/l Other, Key study
Hexane	NOAEL (Oncorhynchus mykiss): 2.8 mg/l QSAR QSAR, Key study
Distillates (petroleum), light distillate hydrotreating process, low-boiling	NOAEL (Pimephales promelas): 2.6 mg/l Experimental result, Supporting study

AQUATIC INVERTEBRATES:

Product: No data available.

Components:

Naphtha (petroleum), hydrotreated light	EC 50 (Daphnia magna): 10 mg/l Experimental result, Key study
Hexane	EC 50 (Daphnia magna): 10 mg/l Experimental result, Key study
Distillates (petroleum), light distillate hydrotreating process, low-boiling	NOAEL (Daphnia magna): 2.6 mg/l Experimental result, Key study

TOXICITY TO AQUATIC PLANTS:

Product: No data available

PERSISTENCE AND DEGRADABILITY:

Biodegradation Product: No data available.

Components:

Butane	100% (385.5 h) Detected in water. Experimental result, Key study
Naphtha (petroleum), hydrotreated light	90.35% (28 d) Detected in water. Experimental result, Supporting study
Hexane	81% Detected in water. Read-across based on grouping of substances (category approach), Key study
Distillates (petroleum), light distillate hydrotreating process, low-boiling	90.35% (28 d) Detected in water. Experimental result, Supporting 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
Octamethyleyclotetrasiloxane	3.7% (29 d) Detected in water. Experimental result, Key study

BOD/COD RATIO:

Product: No data available.

BIOACCUMULATIVE POTENTIAL:

Bioconcentration Factor (BCF):

Product: No data available.

Components:

Naphtha (petroleum), hydrotreated light	Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study
Hexane	Pimephales promelas, Bioconcentration Factor (BCF): 501.19 Aquatic sediment QSAR, Key study
Distillates (petroleum), light distillate hydrotreating process, low-boiling	Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study
Octamethyleyclotetrasiloxane	Pimephales promelas, Bioconcentration Factor (BCF): 12,400 Aquatic sediment Experimental result, 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:

Butane	No data available.
Naphtha (petroleum), hydrotreated light	No data available.
Hexane	No data available.
Distillates (petroleum), light distillate hydrotreating process, low-boiling	No data available.
Propane	No data available.
Siloxanes and Silicones, di-Me	No data available.
Octamethylcyclotetrasiloxane	No data available.

OTHER ADVERSE EFFECTS:

Toxic to aquatic organisms. Harmful to aquatic life with long lasting effects.

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.
 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
 Label(s): -
 EmS No.: F-D, S-U



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:

Benzene

OSHA Hazard(s):

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 CHARACTERISTIC OF IGNITABILITY
 RCRA HAZARDOUS WASTE NO. D001
 HEXANE
 CYCLOHEXANE
 BENZENE, HEXAHYDRO-
 Terpenes and Terpenoids, sweet orange-oil
 Cyclohexene, 1-methyl-4-(1-methylethylidene)-
 DIETHYL PHTHALATE
 BENZENE, METHYL-
 BENZENE
 ETHYLBENZENE
 NAPHTHALENE

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard Categories:

Flammable aerosol, Skin Corrosion/Irritation, Toxic to reproduction, Specific Target Organ Toxicity - Single Exposure, Specific Target Organ Toxicity - Repeated Exposure, 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:

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:

<u>Chemical Name</u>	<u>% by wt.</u>
Hexane	1.0%

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:

Butane
Naphtha (petroleum), hydrotreated light
Hexane
Distillates (petroleum), light distillate hydrotreating process, low-boiling
Propane
Cyclopentane, methyl-

US. Massachusetts RTK - Substance List:

Chemical Identity:

Benzene

US. Pennsylvania RTK – Hazardous Substances:

Chemical Identity:

Butane
Naphtha (petroleum), hydrotreated light
Hexane
Distillates (petroleum), light distillate hydrotreating process, low-boiling
Propane
Cyclopentane, methyl-

US. Rhode Island RTK:

No ingredient regulated by RI Right-to-Know Law present.

INTERNATIONAL REGULATIONS:

Montreal Protocol:

Hexane

Stockholm Convention:

Hexane

Rotterdam Convention:

Hexane

Kyoto Protocol:

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:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or 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, injury, 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.