



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1958	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	STICK IT	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Aerosol Heavy-Duty Adhesive Spray	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:

Serious eye damage/eye irritation: Category 2A

Skin Sensitizer: Category 1

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 3

Chronic hazards to the aquatic environment: Category 2

SIGNAL WORD:
DANGER

SYMBOL:



HAZARD STATEMENTS:

Extremely flammable aerosol. Causes serious eye irritation. May cause an allergic skin reaction. 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. Harmful to aquatic life. Toxic to aquatic life with long lasting effects.

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. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash 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). Wash contaminated clothing before reuse. Collect spillage.

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.

HAZARDS NOT OTHERWISE SPECIFIED:

None.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
2-Propanone	67-64-4	20 - <50%
Propane	74-98-6	20 - <50%
Naphtha (petroleum), hydrotreated light	64742-49-0	5 - <10%
Hexane	110-54-3	5 - <10%
Maleic Anhydride Modified Liquid Polyisoprene	841251-34-1	0.1 - <1%
Cyclohexane	110-82-7	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: If skin irritation occurs: Get medical advice/attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, 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.

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: Get medical attention if symptoms occur.

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. 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.

MATERIALS AND METHODS FOR CLEANUP:

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

ENVIRONMENTAL PRECAUTIONS:

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

7. Handling and Storage**TECHNICAL MEASURES (E.G. LOCAL AND GENERAL VENTILATION):**

No data available.

SAFE HANDLING:

Avoid contact with eyes. Wash hands thoroughly after 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 eyes, skin and clothing.

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
2-Propanone	STEL	1,000 ppm	2,400 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	1,000 ppm	2,400 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	250 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	750 ppm	1,800 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Propane	STEL	500 ppm		US. ACGIH Threshold Limit Values, as amended
	REL	250 ppm	590 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL	1,000 ppm	1,800 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Naphtha (petroleum), hydrotreated light	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
	REL	100 ppm	400 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Hexane	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
	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
	TWA	50 ppm		US. ACGIH Threshold Limit Values, as amended

Limestone - Total	REL		10 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Limestone - Respirable.	REL		5 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Limestone - Total dust.	PEL		15 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Limestone - Respirable fraction.	PEL		5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Limestone - Total dust.	TWA		15 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Limestone - Respirable fraction.	TWA		5 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	
	REL	300 ppm	1,050 mg/m ³	
	PEL	300 ppm	1,050 mg/m ³	
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
Talc (Mg ₃ H ₂ (SiO ₃) ₄) - Respirable fraction.	TWA		2 mg/m ³	US. ACGIH Threshold Limit Values, as amended
Talc (Mg ₃ H ₂ (SiO ₃) ₄) - Respirable.	REL		2 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Talc (Mg ₃ H ₂ (SiO ₃) ₄) - Respirable dust.	TWA		2 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA		20 millions of particles per cubic foot of a	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Talc (Mg ₃ H ₂ (SiO ₃) ₄) - Respirable.	TWA		2.4 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
	TWA		0.1 mg/m ³	US. OSHA Table Z-3 (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
Phenol	REL	5 ppm	19 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	Ceil. Time	15.6 ppm	60 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	5 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	5 ppm	19 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	PEL	5 ppm	19 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Benzene, ethyl-	STEL	125 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	125 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
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
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
Benzene, ethenyl-	REL	50 ppm	215 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	50 ppm	215 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
	STEL	100 ppm	425 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	40 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	100 ppm	425 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	100 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended

	Ceiling	200 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	MAX CONC.	600 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	TWA	2 ppm	US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values, as amended

BIOLOGICAL LIMIT VALUE:

Chemical Identity	Exposure Limit Values	Source
2-Propanone (acetone: Sampling time: End of shift.)	25 mg/l (Urine)	ACGIH BEL
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
Phenol (Phenol with hydrolysis: Sampling time: End of shift.)	250 mg/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
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, ethenyl- (styrene: Sampling time: End of shift.)	40 µg/l (Urine)	ACGIH BEL
Benzene, ethenyl- (Mandelic acid plus phenylglyoxylic acid: Sampling time: End of shift.)	400 mg/g (Creatinine in urine)	ACGIH BEL

EXPOSURE GUIDELINES:

Hexane	US. ACGIH Threshold Limit Values, as amended	Can be absorbed through the skin.
Phenol	US. ACGIH Threshold Limit Values, as amended	US. ACGIH Threshold Limit Values, as amended
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: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: 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: Avoid contact with eyes. 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. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.

9. Physical & Chemical Properties

Physical State:	Liquid.	Flammability (solid/gas):	No data available.
Form:	Spray Aerosol.	Explosive Limit – lower (%):	Estimated 2.5% (V)
Color:	No data available.	Explosive Limit – upper (%):	Estimated 10.2% (V)
Odor:	No data available.	Vapor Pressure:	3,585 - 4,964 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.
Initial Boiling Point/Range:	No data available.	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.
Explosive Properties:	No data available.	Evaporation Rate:	No data available.
Flash Point:	-104.44°C	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

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: ATEmix: 9,421.24 mg/kg
Dermal Product: ATEmix: 7,286.63 mg/kg
Inhalation Product: Not classified for acute toxicity based on available data.

REPEATED DOSE TOXICITY:

No data available.

COMPONENTS	SPECIES
2-Propanone	NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(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 NOAEL (Rat(Female, Male), Inhalation): 10,000 mg/m3 Inhalation Experimental result, Key study
Naphtha (petroleum), hydrotreated light	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
Cyclohexane	NOAEL (Rat(Female, Male), Inhalation, 13 - 18 Weeks): 7,000 ppm(m) Inhalation Experimental result, Key study NOAEL (Mouse(Female, Male), Inhalation, 13 - 18 Weeks): 500 ppm(m) Inhalation Experimental result, Key study

SKIN CORROSION/IRRITATION:

Product: No data available.

Components:

2-Propanone	in vivo (Rabbit): Not irritant
Naphtha (petroleum), hydrotreated light	Assessment Non-Irritating
Hexane	In vitro (Human): not corrosive
Cyclohexane	Review Irritating
	Review (Various): Irritating.
	in vivo (Rabbit): Not irritant

SERIOUS EYE DAMAGE/IRRITATION:

Product: No data available.

Components:

2-Propanone	Irritating. Rabbit, 24 hrs: Minimum grade of severe eye irritant
Naphtha (petroleum), hydrotreated light	Rabbit, 24 - 72 hrs: Not irritating
Hexane	Rabbit, 1 - 72 hrs: Not irritating

RESPIRATORY OR SKIN SENSITIZATION:

Product: Not available.

Components:

2-Propanone	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Naphtha (petroleum), hydrotreated light	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Cyclohexane	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 of the unborn child.

SPECIFIC TARGET ORGAN TOXICITY (single exposure):

Product: No data available.

Components:

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

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

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

SPECIFIC TARGET ORGAN TOXICITY (repeated exposures):**Product:** No data available.**Components:**

Hexane: 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: May be fatal if swallowed and enters airways.

Hexane: May be fatal if swallowed and enters airways.

Cyclohexane: 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:**

2-Propanone	LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study
Propane	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
Cyclohexane	LC 50 (Pimephales promelas, 96 h): 4.53 mg/l Experimental result, Key study

Aquatic Invertebrates:**Product:** No data available.**Components:**

2-Propanone	LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, 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
Cyclohexane	EC 50 (Daphnia magna, 48 h): 0.9 mg/l Experimental result, Key study

Chronic hazards to the aquatic environment:**Fish****Product:** No data available.**Components:**

2-Propanone	LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study
Naphtha (petroleum), hydrotreated light	EC 50 (Daphnia magna): 10 mg/l Experimental result, Key study
Hexane	NOAEL (Daphnia magna): 4.888 mg/l QSAR QSAR, Key study

Toxicity to Aquatic Plants:**Product:** No data available.**PERSISTENCE AND DEGRADABILITY:****Biodegradation Product:** No data available.**Components:**

2-Propanone	90.9 % (28 d) Detected in water. Experimental result, 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
Cyclohexane	EC 50 (Daphnia magna, 48 h): 0.9 mg/l Experimental result, Key study

BIOACCUMULATIVE POTENTIAL:**Bioconcentration Factor (BCF)**

No data available.

Components:

2-Propanone

Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment Experimental result, Not specified.

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

Cyclohexane

Cyprinus carpio, Bioconcentration Factor (BCF): 37 - 129 Aquatic sediment Experimental result, Supporting study

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

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:

2-Propanone

No data available.

Propane

No data available.

Naphtha (petroleum), hydrotreated light

No data available.

Hexane

No data available.

Maleic Anhydride Modified Liquid Polyisoprene

No data available.

Cyclohexane

No data available.

OTHER ADVERSE EFFECTS:

Harmful to aquatic organisms. Toxic 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.

Other Information:
Passenger and Cargo Aircraft: Allowed. 203
Cargo aircraft only: Allowed. 203
Cargo Aircraft Only: Allowed

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:

ACETONE
UNLISTED HAZARDOUS WASTES CHARACTERISTIC OF IGNITABILITY
HEXANE
RCRA HAZARDOUS WASTE NO. D001
CYCLOHEXANE
BENZENE, HEXAHYDRO-
BENZENE, METHYL-
BENZENE, HYDROXY-
PHENOL
ETHYLBENZENE
BENZENE N
APHTHALENE
STYRENE

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT of 1986 (SARA):

Hazard Categories: Flammable (gases, aerosols, liquids, or solids), Serious eye damage or eye irritation, Respiratory or Skin Sensitization, Reproductive toxicity, Specific target organ toxicity (single or 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

Chemical Identity:

Phenol

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

Chemical Identity: % by weight

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



WARNING: This product can expose you to chemicals including, Benzene which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm.
This product can expose you to chemicals including, Benzene, ethyl-Naphthalene, Benzene, ethenyl-which is [are] known to the State of California to cause cancer.
This product can expose you to chemicals including, Hexane, Benzene, methyl-which is [are] known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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

Chemical Identity:

2-Propanone
Propane
Methane, 1,1'-oxybis-
Naphtha (petroleum), hydrotreated light
Hexane
Cyclopentane, methyl-

US. Massachusetts RTK - Substance List:

Chemical Identity:

Phenol
Benzene

US. Pennsylvania Worker and Community Right-to-Know Law:

Chemical Identity:

2-Propanone
Propane
Methane, 1,1'-oxybis-
Naphtha (petroleum), hydrotreated light
Hexane
Cyclopentane, methyl-

US. Rhode Island RTK:

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

INTERNATIONAL REGULATIONS:

Montreal Protocol: 2-Propanone, Hexane

Stockholm Convention: 2-Propanone, Hexane

Rotterdam Convention: 2-Propanone, Hexane

Kyoto protocol

INVENTORY STATUS:

Australia AICS	Not 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	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)	Not in compliance with the inventory.
Mexico INSQ	Not in compliance with the inventory.
New Zealand Inventory of Chemicals	Not in compliance with the inventory.
Philippines PICCS	Not in compliance with the inventory.
Taiwan Chemical Substance Inventory	Not 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.