

# SAFETY DATA SHEET

# 1. Identification

Product identifier: Plastic Spray with UV Inhibitors

Other means of identification SDS number: RE1000012075

Recommended restrictions Product Use: Coating Restrictions on use: Not known.

# Manufacturer/Importer/Distributor Information

# Manufacturer

Company Name:	Sprayway, Inc.
Address:	1000 INTEGRAM DR.
	Pacific, MO 63069
Telephone:	1-630-628-3000
Fax:	

Emergency telephone number: 1-866-836-8855

# 2. Hazard(s) identification

# Hazard Classification

Physical Hazards	
Flammable aerosol Health Hazards	Category 1
Skin Corrosion/Irritation	Category 2
Carcinogenicity	Category 2
Toxic to reproduction	Category 2
Specific Target Organ Toxicity - Single Exposure	Category 3 <sup>1.</sup>
Aspiration Hazard	Category 1

## **Target Organs**

1. Narcotic effect.

# **Environmental Hazards**

Acute hazards to the aquatic environment

# Label Elements

## Hazard Symbol:



Category 1

Signal Word:

Danger

Hazard Statement:	Extremely flammable aerosol. Causes skin irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Very 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. 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. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. 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. 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.
Hazard(s) not otherwise classified (HNOC):	None.

# 3. Composition/information on ingredients

# Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Naphtha (petroleum), light alkylate	64741-66-8	25 - <50%
Pentane, 2,2,4-trimethyl-	540-84-1	25 - <50%
Ethane, 1,1-difluoro-	75-37-6	20 - <40%
Methane, dimethoxy-	109-87-5	10 - <20%
Solvent naphtha (petroleum), light aliph.	64742-89-8	5 - <10%
Naphtha (petroleum), heavy alkylate	64741-65-7	1 - <5%
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	1 - <5%
Ethanol	64-17-5	1 - <5%
Benzene, dimethyl-	1330-20-7	1 - <5%
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester	97-86-9	0.1 - <1%
Benzene, ethyl-	100-41-4	0.1 - <1%
Benzene, methyl-	108-88-3	0.1 - <1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.



# 4. First-aid measures

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.
Inhalation:	Move to fresh air.
Skin Contact:	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.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Most important symptoms/effect	s, acute and delayed
Symptoms:	No data available.
Hazards:	No data available.
Indication of immediate medical	attention and special treatment needed
Treatment:	No data available.
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 (and unsuitable) extingu	uishing media
Suitable 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 an	d precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
6. Accidental release measure	S

Personal precautions, protective equipment and	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep
emergency procedures:	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.



Methods and material for containment and cleaning up:	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.
Notification Procedures:	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.
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	
Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. 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 contact with skin. Wash hands thoroughly after handling.
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

# 8. Exposure controls/personal protection

# **Control Parameters**

Chemical Identity	Туре	Exposure Limit Values		Source	
Pentane, 2,2,4-trimethyl-	REL	75 ppm	350 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)	
	STEL	375 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
	Ceil_Time	385 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)	
	TWA	300 ppm		US. ACGIH Threshold Limit Values (2008)	
	TWA	300 ppm	1,450 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
	PEL	500 ppm	2,350 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)	
	TWA	300 ppm		US. ACGIH Threshold Limit Values (03 2012)	
Methane, dimethoxy-	PEL	1,000 ppm	3,100 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)	
	TWA	1,000 ppm		US. ACGIH Threshold Limit Values (2008)	
	REL	1,000 ppm		US. NIOSH: Pocket Guide to Chemical Hazards (2005)	
	TWA	1,000 ppm	, 0	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
Solvent naphtha (petroleum), light aliph.	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)	
	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)	
Naphtha (petroleum), heavy alkylate	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)	
	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)	
	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)	
2-Pentanone, 4-hydroxy-4- methyl-	PEL	50 ppm	240 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)	
*	TWA	50 ppm		US. ACGIH Threshold Limit Values (2008)	



	REL	50 ppm	240 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	50 ppm	240 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Ethanol	REL	1,000 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values (2009)
Benzene, dimethyl-	STEL	150 ppm	655 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm		US. ACGIH Threshold Limit Values (2008)
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2016)
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	150 ppm		US. ACGIH Threshold Limit Values (2008)
	STEL	150 ppm	655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2016)
Benzene, ethyl-	STEL	125 ppm	545 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	125 ppm	545 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	20 ppm		US. ACGIH Threshold Limit Values (12 2010)
Benzene, methyl-	STEL	150 ppm	560 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	100 ppm	375 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	100 ppm	375 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceiling	300 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	TWA	20 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	MAX. CONC	500 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	STEL	150 ppm	560 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
2-Propanol, 2-methyl-	STEL	150 ppm	450 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	100 ppm	300 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	PEL	100 ppm	300 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm		US. ACGIH Threshold Limit Values (2008)
	STEL	150 ppm	450 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	100 ppm	300 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
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# **Biological Limit Values**

Chemical Identity	Exposure Limit Values	Source
Benzene, dimethyl- (Methylhippuric acids: Sampling time: End of shift.)	1.5 g/g (Creatinine in urine)	ACGIH BEL (03 2013)
Benzene, ethyl- (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.)	0.15 g/g (Creatinine in urine)	ACGIH BEL (02 2014)
Benzene, methyl- (toluene: Sampling time: End of shift.)	0.03 mg/l (Urine)	ACGIH BEL (03 2013)
Benzene, methyl- (o-Cresol, with hydrolysis: Sampling time: End of shift.)	0.3 mg/g (Creatinine in urine)	ACGIH BEL (03 2013)
Benzene, methyl- (toluene: Sampling time: Prior to last shift of work week.)	0.02 mg/l (Blood)	ACGIH BEL (03 2013)



Appropriate Engineering	No data available.
Controls	

# Individual protection measures, such as personal protective equipment

General information:	Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	No data available.
Other:	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.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. 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.

# 9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Spray Aerosol
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	-50 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Density:	No data available.



Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

# 10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

# 11. Toxicological information

Information on likely routes of exposure	
Inhalation:	No data available.
Skin Contact:	No data available.
Okin Contact.	
Eye contact:	No data available.
Ingestion:	No data available.

# Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

# Information on toxicological effects

# Acute toxicity (list all possible routes of exposure)

Oral Product:	Not classified for acute toxicity based on available data.
<b>Specified substance(s):</b> Naphtha (petroleum), light alkylate	LD 50 (Rat): > 5,000 mg/kg



Pentane, 2,2,4-trimethyl-	LD 50 (Rat): > 5,000 mg/kg
Methane, dimethoxy-	LD 50 (Rat): 6,423 mg/kg
Solvent naphtha (petroleum), light aliph.	LD 50 (Rat): > 5,000 mg/kg
Naphtha (petroleum), heavy alkylate	LD 50: > 2,000 mg/kg
2-Pentanone, 4-hydroxy- 4-methyl-	LD 50 (Rat): 3,002 mg/kg
Ethanol	LD 50 (Rat): 10,470 mg/kg
Benzene, dimethyl-	LD 50 (Rat): 3,523 mg/kg
2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	LD 50 (Rat): 9,590 mg/kg
Benzene, ethyl-	LD 50 (Rat): 3,500 mg/kg
Benzene, methyl-	LD 50 (Rat): 5,580 mg/kg
Dermal Product:	ATEmix: 164,609.05 mg/kg
Inhalation	
Product:	ATEmix: 76.45 mg/l
Product: Repeated dose toxicity Product:	No data available.
Repeated dose toxicity	No data available. 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
Repeated dose toxicity Product: Specified substance(s): Naphtha (petroleum),	No data available. 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), Inhalation): 24,300 mg/m3 Inhalation Read- across from supporting substance (structural analogue or surrogate), Key
Repeated dose toxicity Product: Specified substance(s): Naphtha (petroleum), light alkylate	No data available. 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), Inhalation): 24,300 mg/m3 Inhalation Read- across from supporting substance (structural analogue or surrogate), Key study NOAEL (Rat(Female, Male), Inhalation, 104 Weeks): 2.5 %(m) Inhalation
Repeated dose toxicity Product: Specified substance(s): Naphtha (petroleum), light alkylate Pentane, 2,2,4-trimethyl-	No data available. 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), Inhalation): 24,300 mg/m3 Inhalation Read- across from supporting substance (structural analogue or surrogate), Key study NOAEL (Rat(Female, Male), Inhalation, 104 Weeks): 2.5 %(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 2,000 ppm(m) Inhalation
Repeated dose toxicity Product:Specified substance(s): Naphtha (petroleum), light alkylatePentane, 2,2,4-trimethyl- Ethane, 1,1-difluoro-	No data available. 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), Inhalation): 24,300 mg/m3 Inhalation Read- across from supporting substance (structural analogue or surrogate), Key study NOAEL (Rat(Female, Male), Inhalation, 104 Weeks): 2.5 %(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 2,000 ppm(m) Inhalation Experimental result, Key study 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
Repeated dose toxicity Product:Specified substance(s): Naphtha (petroleum), light alkylatePentane, 2,2,4-trimethyl-Ethane, 1,1-difluoro- Methane, dimethoxy- Solvent naphtha (petroleum), light aliph.2-Pentanone, 4-hydroxy- 4-methyl-	No data available. 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), Inhalation): 24,300 mg/m3 Inhalation Read- across from supporting substance (structural analogue or surrogate), Key study NOAEL (Rat(Female, Male), Inhalation, 104 Weeks): 2.5 %(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 2,000 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, 107 - 113 Weeks): 1,402 mg/m3 Inhalation Experimental result, Key study NOAEL (Mouse, 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 NOAEL (Rat(Female, Male), Inhalation): >= 4,685 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Oral, 41 - 45 d): 100 mg/kg Oral Experimental result, Key study
Repeated dose toxicity Product:Specified substance(s): Naphtha (petroleum), light alkylatePentane, 2,2,4-trimethyl-Ethane, 1,1-difluoro- Methane, dimethoxy- Solvent naphtha (petroleum), light aliph.2-Pentanone, 4-hydroxy-	No data available. 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), Inhalation): 24,300 mg/m3 Inhalation Read- across from supporting substance (structural analogue or surrogate), Key study NOAEL (Rat(Female, Male), Inhalation, 104 Weeks): 2.5 %(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 2,000 ppm(m) Inhalation Experimental result, Key study 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 NOAEL (Rat(Female, Male), Inhalation): >= 4,685 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation): >= 4,685 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation): >= 4,685 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Oral, 41 - 45 d): 100 mg/kg Oral Experimental
Repeated dose toxicity Product:Specified substance(s): Naphtha (petroleum), light alkylatePentane, 2,2,4-trimethyl-Ethane, 1,1-difluoro- Methane, dimethoxy- Solvent naphtha (petroleum), light aliph.2-Pentanone, 4-hydroxy- 4-methyl-	No data available. 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), Inhalation): 24,300 mg/m3 Inhalation Read- across from supporting substance (structural analogue or surrogate), Key study NOAEL (Rat(Female, Male), Inhalation, 104 Weeks): 2.5 %(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 2,000 ppm(m) Inhalation Experimental result, Key study NOAEL (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, Key study NOAEL (Rat(Female, Male), Inhalation): >= 4,685 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Oral, 41 - 45 d): 100 mg/kg Oral Experimental result, Key study NOAEL (Rat(Male), Oral, 7 - 14 Weeks): 10 %(m) Oral Experimental result, result, Key study



r	2-Propenoic acid, 2- nethyl-, 2-methylpropyl ester	NOAEL (Rat(Female, Male), Oral, 3 Months): 120 mg/kg Oral Experimental result, Key study NOAEL (Rat(Male), Inhalation, 2 yr): 1,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female), Inhalation, 2 yr): 250 ppm(m) Inhalation Experimental result Key study
E	Benzene, ethyl-	result, Key study NOAEL (Mouse(Female, Male), Inhalation, 104 Weeks): 75 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Oral, 28 d): 75 mg/kg Oral Experimental result, Key study
E	Benzene, methyl-	LOAEL (Rat(Female, Male), Oral, 13 Weeks): 1,250 mg/kg (Target Organ(s): Liver, Kidney) Oral Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation): 625 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation - vapor): 2,355 mg/l Inhalation Experimental result, Key study
	prrosion/Irritation duct:	No data available.
S	<b>pecified substance(s):</b> Naphtha (petroleum), light alkylate	In vitro (Human): not corrosive Experimental result, Supporting study
	Pentane, 2,2,4- trimethyl-	in vivo (Rabbit): Irritating Experimental result, Key study
	Methane, dimethoxy-	in vivo (Rabbit): Not irritant Experimental result, Key study
	Solvent naphtha (petroleum), light aliph.	Assessment Non-Irritating in vivo (Rabbit): Irritating Experimental result, Key study
	2-Pentanone, 4- hydroxy-4-methyl-	in vivo (Rabbit): Not irritant Experimental result, Key study
	Ethanol	in vivo (Rabbit): Not irritant Experimental result, Key study
	Benzene, dimethyl-	in vivo (Rabbit): Irritating. Experimental result, Weight of Evidence study
	2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	in vivo (Rabbit): Not irritating Expert judgment
	Benzene, methyl-	in vivo (Rabbit): Irritating Experimental result, Key study
Pro	s Eye Damage/Eye Irritatio duct: pecified substance(s):	on No data available.
	Naphtha (petroleum), light alkylate	Rabbit, 24 - 72 hrs: Not irritating
	Pentane, 2,2,4- trimethyl-	Rabbit, 24 - 72 hrs: Not irritating
	Solvent naphtha (petroleum), light aliph.	Rabbit: Not irritating



Ethanol	Rabbit, 1 - 24 hrs: Not irritating	
Benzene, dimethyl-	Rabbit, 1 hrs: Slightly irritating (Not Classified)	
2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	Rabbit, 24 - 72 hrs: Not irritating	
Benzene, ethyl-	Rabbit, 7 d: Slightly irritating	
Benzene, methyl-	Rabbit, 24 - 72 hrs: Not irritating	
Respiratory or Skin Sensitizatio Product:	n No data available.	
<b>Specified substance(s):</b> Naphtha (petroleum), light alkylate	Skin sensitization:, in vivo (Guinea pig): Non sensitising	
Pentane, 2,2,4- trimethyl-	Skin sensitization:, in vivo (Guinea pig): Non sensitising	
Solvenť naphtha (petroleum), light aliph.	Skin sensitization:, in vivo (Guinea pig): Non sensitising	
2-Pentanone, 4- hydroxy-4-methyl-	Skin sensitization:, in vivo (Guinea pig): Non sensitising	
Ethanol 2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	Skin sensitization:, in vivo (Guinea pig): Non sensitising Skin sensitization:, in vivo (Guinea pig): Sensitising	
Benzene, ethyl- Benzene, methyl-	Skin sensitization:, in vivo (Human): Non sensitising Skin sensitization:, in vivo (Guinea pig): Non sensitising	
Carcinogenicity Product:	No data available.	
IARC Monographs on the Evaluation	ation of Carcinogenic Risks to Humans:	
Benzene, ethyl-	Overall evaluation: 2B. Possibly carcinogenic to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): 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.	
Specified substance(s): Benzene, methyl-	Suspected of damaging fertility or the unborn child.	
Specific Target Organ Toxicity - Product:	Single Exposure Narcotic effect Category 3 with narcotic effects.	



Specific Target Organ Toxicity - Product: Specified substance(s):	Repeated Expo No data availab	
Benzene, methyl-	Category 2	
<b>Target Organs</b> Specific Target Organ Toxici	ty - Single Expos	sure: Narcotic effect.
Aspiration Hazard Product:	No data availab	ole.
<b>Specified substance(s):</b> Naphtha (petroleum), light a Pentane, 2,2,4-trimethyl- Solvent naphtha (petroleum Naphtha (petroleum), heavy Benzene, methyl-	n), light aliph.	May be fatal if swallowed and enters airways. May be fatal if swallowed and enters airways.
Other effects:	No data availab	ole.

# 12. Ecological information

# **Ecotoxicity:**

# Acute hazards to the aquatic environment:

Fish Product:	No data available.
<b>Specified substance(s):</b> Naphtha (petroleum), light alkylate	LL 50 (Oncorhynchus mykiss, 96 h): 10 mg/l Experimental result, Key study
Pentane, 2,2,4-trimethyl-	LC 50 (Oncorhynchus mykiss, 96 h): 0.11 mg/l Read-across based on grouping of substances (category approach), Key study
Methane, dimethoxy-	EC 50 (Pimephales promelas, 96 h): 6.36 g/l Experimental result, Supporting study
Solvent naphtha (petroleum), light aliph.	LL 50 (Pimephales promelas, 96 h): 8.2 mg/l Experimental result, Key study
2-Pentanone, 4-hydroxy- 4-methyl-	LC 50 (Oryzias latipes, 96 h): > 100 mg/l Experimental result, Key study
Ethanol	LC 50 (Pimephales promelas, 96 h): 15.3 g/l Experimental result, Key study
Benzene, dimethyl-	LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 96 h): 6.702 - 10.032 mg/l Mortality
2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	LC 50 (Oncorhynchus mykiss, 96 h): 20 mg/l Experimental result, Key study
Benzene, ethyl-	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 38.9 - 62.83 mg/l Mortality
Benzene, methyl-	LC 50 (Oncorhynchus kisutch, 96 h): 5.5 mg/l Experimental result, Key study



Aquatic Invertebrates Product:	No data available.
<b>Specified substance(s):</b> 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
Pentane, 2,2,4-trimethyl-	EC 50 (Daphnia magna, 48 h): +/- 2.4 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
Methane, dimethoxy-	EC 50 (Daphnia magna, 48 h): > 1,200 mg/l Experimental result, Key study
Solvent naphtha (petroleum), light aliph.	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
2-Pentanone, 4-hydroxy- 4-methyl-	NOAEL (Daphnia magna, 48 h): 1,000 mg/l Experimental result, Key study EC 50 (Daphnia magna, 48 h): > 1,000 mg/l Experimental result, Key study
Ethanol	LC 50 (Ceriodaphnia dubia, 48 h): 5,012 mg/l Experimental result, Key study
Benzene, dimethyl-	LC 50 (Water flea (Daphnia magna), 24 h): 150 mg/l Mortality
2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	NOAEL (Daphnia magna, 48 h): 22 mg/l Experimental result, Key study EC 50 (Daphnia magna, 48 h): > 29 mg/l Experimental result, Key study
Benzene, ethyl-	LC 50 (Water flea (Daphnia magna), 24 h): 57 - 100 mg/l Mortality
Benzene, methyl-	LC 50 (Water flea (Daphnia magna), 48 h): 54.6 - 174.7 mg/l Mortality LC 50 (Ceriodaphnia dubia, 2 d): 3.78 mg/l Experimental result, Key study

# Chronic hazards to the aquatic environment:

Fish Product:	No data available.
<b>Specified substance(s):</b> Naphtha (petroleum), light alkylate	NOAEL (Pimephales promelas): 2.6 mg/l Experimental result, Supporting study
Pentane, 2,2,4-trimethyl-	NOAEL (Oncorhynchus mykiss): 0.82 mg/l QSAR QSAR, Key study
Methane, dimethoxy-	NOAEL : 450.281 mg/I QSAR QSAR, Key study
Solvent naphtha (petroleum), light aliph.	NOAEL (Daphnia magna): 2.6 mg/l Other, Key study
Ethanol	NOAEL (Oryzias latipes): 7,900 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
Benzene, dimethyl-	NOAEL (Oncorhynchus mykiss): > 1.3 mg/l Experimental result, Key study
Benzene, methyl-	NOAEL (Oncorhynchus kisutch): 1.39 mg/l Experimental result, Key study LOAEL (Oncorhynchus kisutch): 2.77 mg/l Experimental result, Key study
Aquatic Invertebrates Product:	No data available.
<b>Specified substance(s):</b> Naphtha (petroleum), light alkylate	NOAEL (Daphnia magna): 2.6 mg/l Experimental result, Key study
	10/10





Pentane, 2,2,4-trimethyl-	NOAEL (Daphnia magna): 0.17 mg/l Read-across based on grouping of substances (category approach), Key study EC 50 (Daphnia magna): 0.64 mg/l Read-across based on grouping of substances (category approach), Key study
Methane, dimethoxy-	NOAEL : 150.5 mg/l QSAR QSAR, Key study
Solvent naphtha (petroleum), light aliph.	EC 50 (Daphnia magna): > 40 mg/l Experimental result, Key study
2-Pentanone, 4-hydroxy- 4-methyl-	EC 50 (Daphnia magna): > 100 mg/l Experimental result, Key study NOAEL (Daphnia magna): 100 mg/l Experimental result, Key study
Ethanol	LC 50 (Daphnia magna): 454 mg/l Experimental result, Key study NOAEL (Daphnia magna): 9.6 mg/l Experimental result, Key study
Benzene, dimethyl-	NOAEL (Ceriodaphnia dubia): 1.17 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	EC 50 (Daphnia magna): 6.59 mg/l Experimental result, Weight of Evidence study NOAEL (Daphnia magna): 2.6 mg/l Experimental result, Weight of Evidence study
Benzene, ethyl-	LC 50 (Ceriodaphnia dubia): 3.2 mg/l Other, Key study NOAEL (Ceriodaphnia dubia): 1 mg/l Other, Key study
Benzene, methyl-	LOAEL (Ceriodaphnia dubia): 2.76 mg/l Experimental result, Key study NOAEL (Ceriodaphnia dubia): 0.74 mg/l Experimental result, Key study
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
Specified substance(s): Naphtha (petroleum), light alkylate	77.05 % Detected in water. Experimental result, Supporting study 90.35 % (28 d) Detected in water. Experimental result, Supporting study
Pentane, 2,2,4-trimethyl-	64.06 % Detected in water. Read-across based on grouping of substances (category approach), Key study
Methane, dimethoxy-	4.87 % (20 min) Detected in water. Experimental result, Supporting study
Solvent naphtha (petroleum), light aliph.	90.35 % (28 d) Detected in water. Experimental result, Supporting study 77.05 % Detected in water. Experimental result, Supporting study
2-Pentanone, 4-hydroxy- 4-methyl-	3 % (5 d) Detected in water. Experimental result, Not specified 100 % Detected in water. Experimental result, Key study
Ethanol	95 % Detected in water. Experimental result, Key study
Benzene, dimethyl-	87.8 % Detected in water. Read-across from supporting substance (structural analogue or surrogate), Key study
2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	74.3 % (28 d) Detected in water. Experimental result, Key study

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Benzene, ethyl-	2.7 % Detected in water. Other, Supporting study 70 - 80 % (28 d) Detected in water. Experimental result, Key study	
Benzene, methyl-	100 % (14 d) Detected in water. Experimental result, Weight of Evidence study 86 % Detected in water. Experimental result, Weight of Evidence study	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative potential Bioconcentration Factor (BC Product:	<b>F)</b> No data available.	
<b>Specified substance(s):</b> Naphtha (petroleum), light alkylate	Bioconcentration Factor (BCF): 10 - 2,500 Aquatic sediment Estimated by calculation, Key study	
Pentane, 2,2,4-trimethyl-	Bioconcentration Factor (BCF): 231 Aquatic sediment Estimated by calculation, Key study	
Solvent naphtha (petroleum), light aliph.	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	
Benzene, dimethyl-	Oncorhynchus mykiss, Bioconcentration Factor (BCF): > 7.6 - < 21.6 Aquatic sediment Experimental result, Key study	
2-Propenoic acid, 2- methyl-, 2-methylpropyl ester	Fish, Bioconcentration Factor (BCF): 64 Aquatic sediment Estimated by calculation, Supporting study	
Benzene, ethyl-	Carassius auratus, Bioconcentration Factor (BCF): 15.5 Aquatic sediment Other, Supporting study	
Benzene, methyl-	Leuciscus idus, Bioconcentration Factor (BCF): 90 Aquatic sediment Experimental result, Key study	
Partition Coefficient n-octanol / w Product:	ater (log Kow) No data available.	
<b>Specified substance(s):</b> Benzene, dimethyl-	Log Kow: 2.77 - 3.15 No Not specified, Not specified	
Benzene, ethyl-	Log Kow: 3.13 - 3.14 No Other, Supporting study	
Mobility in soil:	No data available.	
Naphtha (petroleum), light alk Pentane, 2,2,4-trimethyl- Ethane, 1,1-difluoro- Methane, dimethoxy- Solvent naphtha (petroleum), Naphtha (petroleum), heavy a	No data available. No data available. No data available. light aliph. No data available. No data available.	
2-Pentanone, 4-hydroxy-4-me Ethanol	ethyl- No data available. No data available.	



Banzana dimathyl		No data available.
Benzene, dimethyl- 2-Propenoic acid, 2-methyl-, 2-methylpropyl ester		No data available.
Benzene, ethyl-		No data available.
Benzene, methyl-		No data available.
Known or predicted distribution		•
Naphtha (petroleum), light al	kylate	No data available.
Pentane, 2,2,4-trimethyl-		No data available.
Methane, dimethoxy- Solvent naphtha (petroleum)	light aligh	No data available. No data available.
Naphtha (petroleum), heavy		No data available.
2-Pentanone, 4-hydroxy-4-m		No data available.
Ethanol		No data available.
Benzene, dimethyl-		No data available.
2-Propenoic acid, 2-methyl-,	2-methylpropyl ester	No data available.
Benzene, ethyl-		No data available.
Benzene, methyl- 2-Propanol, 2-methyl-		No data available. No data available.
2-Fropanoi, 2-metinyi-		No data avaliable.
Other adverse effects:	Very toxic to aquatic	organisms.
		-
13. Disposal considerations		
<b>-</b> , , , , ,		
Disposal instructions:		t, or disposal may be subject to national, state, or local
	laws. Do not allow to	enter drains, sewers or watercourses.
Contaminated Packaging:	No data available.	
14. Transport information		
14. Transport information		
DOT	UN 1950	
	UN 1950 Aerosols, fla	mmable
DOT UN Number:	Aerosols, fla	mmable
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class:		mmable
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s):	Aerosols, fla 2.1 –	mmable
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group:	Aerosols, fla 2.1 – II	mmable
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s):	Aerosols, fla 2.1 –	mmable
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group:	Aerosols, fla 2.1 – II	mmable
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant:	Aerosols, fla 2.1 - II No	mmable
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant	Aerosols, fla 2.1 - II No No No	
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards:	Aerosols, fla 2.1 – II No No	
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user:	Aerosols, fla 2.1 - II No No No	
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: IMDG	Aerosols, fla 2.1 - II No No No Not regulated	
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: IMDG UN Number:	Aerosols, fla 2.1 - II No No Not regulated UN 1950	d.
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: IMDG	Aerosols, fla 2.1 - II No No No Not regulated	d.
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: IMDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class:	Aerosols, fla 2.1 - II No No Not regulated UN 1950	d.
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: IMDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s):	Aerosols, fla 2.1 – II No No Not regulated UN 1950 Aerosols, fla 2 –	d.
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: IMDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): EmS No.:	Aerosols, fla 2.1 - II No No Not regulate UN 1950 Aerosols, fla	d.
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: IMDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s):	Aerosols, fla 2.1 – II No No Not regulated UN 1950 Aerosols, fla 2 –	d.
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: MDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): EmS No.: Packing Group:	Aerosols, fla 2.1 - II No No Not regulated UN 1950 Aerosols, fla 2 - F-D, S-U -	d.
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant Special precautions for user: IMDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): EmS No.:	Aerosols, fla 2.1 – II No No Not regulated UN 1950 Aerosols, fla 2 –	d.



ΙΑΤΑ	
UN Number:	UN 1950
Proper Shipping Name: Transport Hazard Class(es):	Aerosols, flammable
Class:	2.1
Label(s):	_
Packing Group:	-
Environmental Hazards:	Yes
Marine Pollutant	No
Special precautions for user: Cargo aircraft only:	Not regulated. Allowed.

# 15. Regulatory information

#### **US Federal Regulations**

Restrictions on use: Not known.

## TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

## CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Pentane, 2,2,4-trimethyl-	lbs. 1000
Methane, dimethoxy-	lbs. 100
Ethanol	lbs. 100
Benzene, dimethyl-	lbs. 100
Benzene, ethyl-	lbs. 1000
Benzene, methyl-	lbs. 1000
2-Propanol, 2-methyl-	lbs. 100

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

# Hazard categories

Fire Hazard Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Flammable aerosol Skin Corrosion/Irritation Carcinogenicity Toxic to reproduction Specific Target Organ Toxicity - Single Exposure Aspiration Hazard

## SARA 302 Extremely Hazardous Substance

<u>Chemical Identity</u> <u>Reportable quantity</u> Ethane, 1,1-difluoro-

SARA 304 Emergency Release Notification Chemical Identity

Pentane, 2,2,4-trimethyl-Ethane, 1,1-difluoro-Methane, dimethoxy-Ethanol Benzene, dimethyl-Benzene, ethyl**Threshold Planning Quantity** 

# Reportable quantity

lbs. 1000



Benzene, methyl-	lbs. 1000
2-Propanol, 2-methyl-	lbs. 100
SARA 311/312 Hazardous Chemical	
Chemical Identity	Threshold Plan
Naphtha (petroleum), light alkylate	10000 lbs
Pentane, 2,2,4-trimethyl-	10000 lbs

Pentane, 2,2,4-trimethyl-	100
Ethane, 1,1-difluoro-	100
Methane, dimethoxy-	100
Solvent naphtha (petroleum), light aliph.	100
Naphtha (petroleum), heavy alkylate	100
2-Pentanone, 4-hydroxy-4-methyl-	100
Ethanol	100
Benzene, dimethyl-	100
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester	100
Benzene, ethyl-	100
Benzene, methyl-	100
2-Propanol, 2-methyl-	100

# SARA 313 (TRI Reporting)

Chemical Identity	Reporting threshold for other users	<u>Reporting threshold for</u> <u>manufacturing and</u> processing
Benzene, dimethyl-	lbs	lbs.
Benzene, ethyl-	lbs	lbs.

#### 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

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Benzene, ethyl-	Carcinogenic. 05 2011
Benzene, methyl-	Developmental toxin. 03 2008

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

**Chemical Identity** Pentane, 2,2,4-trimethyl-Ethane, 1,1-difluoro-Methane, dimethoxy-Solvent naphtha (petroleum), light aliph. Naphtha (petroleum), heavy alkylate 2-Pentanone, 4-hydroxy-4-methyl-Ethanol Benzene, dimethyl-Benzene, ethyl-

# US. Massachusetts RTK - Substance List

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

# US. Pennsylvania RTK - Hazardous Substances

Chemical Identity Pentane, 2,2,4-trimethyl-Methane, dimethoxy-Solvent naphtha (petroleum), light aliph. Naphtha (petroleum), heavy alkylate 2-Pentanone, 4-hydroxy-4-methyl-Ethanol Benzene, dimethyl-

# SDS\_US - RE1000012075

# nning Quantity

000 lbs 0000 lbs



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

# International regulations

Montreal protocol Ethane, 1,1-difluoro-

Stockholm convention Ethane, 1,1-difluoro-

Rotterdam convention Ethane, 1,1-difluoro-

Kyoto protocol

Inventory Status: Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

**Philippines PICCS:** 

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

Group I Annex F

Not in compliance with the inventory.
On or in compliance with the inventory.
Not in compliance with the inventory.
On or in compliance with the inventory.
Not in compliance with the inventory.

Not in compliance with the inventory.

# 16.Other information, including date of preparation or last revision

Issue Date:	10/24/2019
Revision Information:	No data available.
Version #:	1.0
Further Information:	No data available.
Disclaimer:	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.