

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/03/2019 Revision date: 04/03/2019 Version: 1.0

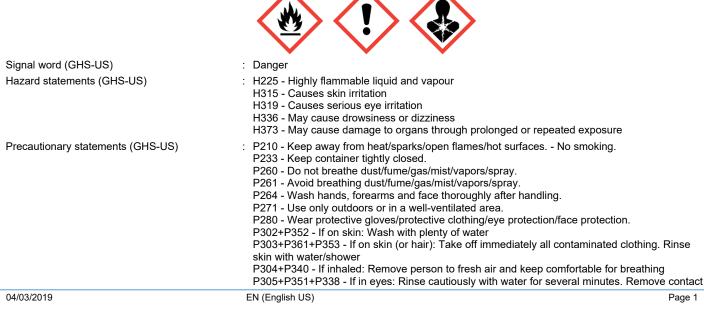
SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: Demeton O Solution
Product code	: AL0-130707
1.2. Recommended use and restriction	ns on use
No additional information available	
1.3. Supplier	
Phenova 6390 Joyce Dr. Suite 100 Golden, CO 80403 - United States T 1-866-942-2978 - F 1-866-283-0269 info@phenova.com - www.phenova.com	
1.4. Emergency telephone number	
Emergency number	: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or	mixture
GHS-US classification	

GHS-US classification		
Flammable liquids Category 2	H225	Highly flammable liquid and vapour
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Specific target organ toxicity (single exposure) Category 3	H336	May cause drowsiness or dizziness
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure
Full text of H statements : see	e section 16	

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US)



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	lenses, if present and easy to do. Continue rinsing
	P312 - Call a poison center or doctor if you feel unwell
	P314 - Get medical advice/attention if you feel unwell.
	P321 - Specific treatment (see supplemental first aid instruction on this label)
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P337+P313 - If eye irritation persists: Get medical advice/attention.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
	P370+P378 - In case of fire: Use media other than water to extinguish.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
	P403+P235 - Store in a well-ventilated place. Keep cool.
	P501 - Dispose of contents/container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation
2.2 Other bezerde which do not recult	in all continues in a

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: (Composition/Information	on ingredients
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3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc.
hexane (Component)	(CAS-No.) 110-54-3	50.4
acetone (Component)	(CAS-No.) 67-64-1	49.5

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures		
4.1. Description of first aid measures		
First-aid measures general	: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.	
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest.	
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.	
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.	
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.	
4.2. Most important symptoms and effects	s (acute and delayed)	
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.	
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.	
4.3. Immediate medical attention and special treatment, if necessary		
No additional information available		
SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing	ng media	
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.	
Unsuitable extinguishing media	: Do not use a heavy water stream.	
5.2. Specific hazards arising from the chemical		
No additional information available		
5.3. Special protective equipment and pre	cautions for fire-fighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.	

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SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
6.1.1. For non-emergency personnel			
Emergency procedures	: Evacuate unnecessary personnel.		
6.1.2. For emergency responders			
Protective equipment	: Equip cleanup crew with proper protection.		
Emergency procedures	: Ventilate area.		
6.2. Environmental precautions			
Prevent entry to sewers and public waters. Notif	y authorities if liquid enters sewers or public waters.		
6.3. Methods and material for containm	ent and cleaning up		
Methods for cleaning up	: Take up in absorbent material. Collect spillage.		
6.4. Reference to other sections			
See Heading 8. Exposure controls and persona	See Heading 8. Exposure controls and personal protection.		
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.		
Hygiene measures	: Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.		
7.2. Conditions for safe storage, including any incompatibilities			
Storage conditions	: Keep container closed when not in use. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.		
Incompatible materials	: Direct sunlight.		

SECTION 8: Exposure controls/personal protection

8.1. Control parameters		
Demeton O Solution		
ACGIH	Local name	n-Hexane
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	Remark (ACGIH)	CNS impair; peripheral neuropathy; eye irr; Skin; BEI
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m ³)	1800 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
acetone (67-64-1)		
ACGIH	Local name	Acetone
ACGIH	ACGIH TWA (ppm)	250 ppm
ACGIH	ACGIH STEL (ppm)	500 ppm
ACGIH	Remark (ACGIH)	eye irr; CNS impair; BEI
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m ³)	2400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
hexane (110-54-3)		
ACGIH	Local name	n-Hexane
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	Remark (ACGIH)	CNS impair; peripheral neuropathy; eye irr; Skin; BEI

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hexane (110-54-3)		
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m ³)	1800 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA

8.2. Appropriate engineering controls

Appropriate engineering controls : Either local exhaust or general room ventilation is usually required.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.

Hand protection:

Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact

Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical an	d chemical properties
Physical state	: Liquid
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available

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Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Not established.	
10.3. Possibility of hazardous reactions	
Not established.	
10.4. Conditions to avoid	
Direct sunlight. Extremely high or low temperatur	es.
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
No additional information available	
SECTION 11: Toxicological informat	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
	: Not classified
Acute toxicity acetone (67-64-1) LD50 oral rat	
acetone (67-64-1)	 Not classified 5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)
acetone (67-64-1) LD50 oral rat	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral)
acetone (67-64-1) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral)	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)
acetone (67-64-1) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (dermal)	 5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours))
acetone (67-64-1) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (dermal) ATE US (vapors)	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h
acetone (67-64-1) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (dermal)	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight
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acetone (67-64-1) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (dermal) ATE US (vapors) ATE US (dust, mist)	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h
acetone (67-64-1) LD50 oral rat LD50 dermal rabbit LC50 inhalation rat (mg/l) ATE US (oral) ATE US (dermal) ATE US (vapors) ATE US (dust, mist) hexane (110-54-3)	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 76 mg/l/4h 16000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female,
acetone (67-64-1)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (vapors)ATE US (dust, mist)hexane (110-54-3)LD50 oral rat	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 76 mg/l/4h 16000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) > 3350 mg/kg body weight (Equivalent or similar to OECD 402, 4 h, Rabbit, Male, Read-
acetone (67-64-1)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (vapors)ATE US (dust, mist)hexane (110-54-3)LD50 oral ratLD50 dermal rabbit	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 77 mg/l/4h 78 mg/l/4h 79 mg/l/4h 70 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) > 3350 mg/kg body weight (Equivalent or similar to OECD 402, 4 h, Rabbit, Male, Read-across, Dermal) > 5000 ppm (Equivalent or similar to OECD 403, 24 h, Rat, M
acetone (67-64-1)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (vapors)ATE US (dust, mist)hexane (110-54-3)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (ppm)	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 77 mg/l/4h 78 mg/l/4h 79 mg/l/4h 70 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Inhalation (vapours)) > 5000 ppm (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours))
acetone (67-64-1)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (vapors)ATE US (dust, mist)hexane (110-54-3)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (ppm)ATE US (oral)	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 76 mg/l/4h 76 mg/l/4h 76 mg/l/4h 76 mg/l/4h 76 mg/l/4h 76 org/l/4h 77 org/l/4h 78 org/l/4b 79 org/l/4b 70 org/l/4b <tr< td=""></tr<>
acetone (67-64-1)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (vapors)ATE US (dust, mist)hexane (110-54-3)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (ppm)ATE US (oral)Skin corrosion/irritation	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 76 mg/l/4h 76 mg/l/4h 76 mg/l/4h 16000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) > 3350 mg/kg body weight (Equivalent or similar to OECD 402, 4 h, Rabbit, Male, Read-across, Dermal) > 5000 ppm (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours)) 16000 mg/kg body weight : Causes skin irritation.
acetone (67-64-1)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (vapors)ATE US (dust, mist)hexane (110-54-3)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (ppm)ATE US (oral)Skin corrosion/irritationSerious eye damage/irritation	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 76
acetone (67-64-1)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (dust, mist)hexane (110-54-3)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (ppm)ATE US (oral)Skin corrosion/irritationSerious eye damage/irritationRespiratory or skin sensitizationGerm cell mutagenicity	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 77 mg/l/4h 78 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) > 3350 mg/kg body weight (Equivalent or similar to OECD 402, 4 h, Rabbit, Male, Read-across, Dermal) > 5000 ppm (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours)) 16000 mg/kg body weight : Causes serious eye irritation. : Causes serious eye irritation. : Not classified Based on available data, the classification criteria are not met
acetone (67-64-1)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (mg/l)ATE US (oral)ATE US (dermal)ATE US (vapors)ATE US (dust, mist)hexane (110-54-3)LD50 oral ratLD50 dermal rabbitLC50 inhalation rat (ppm)ATE US (oral)Skin corrosion/irritationSerious eye damage/irritationRespiratory or skin sensitization	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral) 20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) 76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) 5800 mg/kg body weight 20000 mg/kg body weight 20000 mg/kg body weight 76 mg/l/4h 77 mg/l/4h 78 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) > 3350 mg/kg body weight (Equivalent or similar to OECD 402, 4 h, Rabbit, Male, Read-across, Dermal) > 5000 ppm (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours)) 16000 mg/kg body weight : Causes serious eye irritation. : Causes serious eye irritation. : Not classified : Not classified
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Specific target organ toxicity – repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12: Ecological information

12.1. Toxicity

acetone (67-64-1)			
LC50 fish 1	5540 mg/l (EU Method C.1, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Nominal concentration)		
12.2. Persistence and degradability			
Demeton O Solution			
Persistence and degradability	Not established.		
acetone (67-64-1)			
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	1.43 g O₂/g substance		
Chemical oxygen demand (COD)	1.92 g O₂/g substance		
ThOD	2.2 g O ₂ /g substance		
BOD (% of ThOD)	0.872 (20 day(s), Literature study)		
hexane (110-54-3)			
Persistence and degradability	ce and degradability Biodegradable in the soil. Readily biodegradable in water.		
ThOD	3.52 g O₂/g substance		

12.3. Bioaccumulative potential

Demeton O Solution			
Bioaccumulative potential Not established.			
acetone (67-64-1)			
BCF fish 1	0.69 (Pisces)		
BCF other aquatic organisms 1	3 (BCFWIN, Calculated value)		
Log Pow	-0.24 (Test data)		
Bioaccumulative potential	Not bioaccumulative.		
hexane (110-54-3)			
BCF fish 1	501.187 (Other, Pimephales promelas, QSAR)		
Log Pow	4 (Experimental value, Equivalent or similar to OECD 107, 20 °C)		
Bioaccumulative potential	Potential for bioaccumulation ($500 \le BCF \le 5000$).		

12.4. Mobility in soil

acetone (67-64-1)			
Surface tension 0.0237 N/m			
Ecology - soil No (test)data on mobility of the substance available.			
hexane (110-54-3)			
Surface tension	0.018 N/m (25 °C, 1 g/l)	0.018 N/m (25 °C, 1 g/l)	
Log Koc	3.34 (log Koc, QSAR)	3.34 (log Koc, QSAR)	
Ecology - soil	Low potential for mobility in soil.	Low potential for mobility in soil.	

12.5. Other adverse effects

: Avoid release to the environment.

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SECTION 13: Disposal consideration	
13.1. Disposal methods Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
Department of Transportation (DOT) In accordance with DOT	
Transport document description	: UN1993 Flammable liquids, n.o.s. (hexane ; acetone), 3, II
UN-No.(DOT)	: UN1993
Proper Shipping Name (DOT)	: Flammable liquids, n.o.s.
	hexane ; acetone
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) Hazard labels (DOT)	: II - Medium Danger : 3 - Flammable liquid
DOT Packaging Non Bulk (40 CEP 172 www)	• 202
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202 : 242
DOT Packaging Bulk (49 CFR 173.xxx)	
DOT Symbols DOT Special Provisions (49 CFR 172.102)	 : G - Identifies PSN requiring a technical name : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite
	 (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" or passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number	: 128
Other information	: No supplementary information available.
Transportation of Dangerous Goods	
Not applicable	
Transport by sea	
Transport document description (IMDG)	: UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
	: 1993
UN-No. (IMDG)	
UN-No. (IMDG) Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, N.O.S.
	: FLAMMABLE LIQUID, N.O.S. : 3 - Flammable liquids

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Packing group (IMDG) : II - substances presenting medium danger	
Limited quantities (IMDG)	: 1L
Air transport	
Transport document description (IATA)	: UN 1993 Flammable liquid, n.o.s., 3, II, ENVIRONMENTALLY HAZARDOUS
UN-No. (IATA)	: 1993
Proper Shipping Name (IATA)	: Flammable liquid, n.o.s.
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

acetone (67-64-1)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313		
CERCLA RQ 5000 lb		
hexane (110-54-3)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313		
Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ 5000 lb		

15.2. International regulations

CANADA

 acetone (67-64-1)

 Listed on the Canadian DSL (Domestic Substances List)

 hexane (110-54-3)

 Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

hexane (110-54-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

15.3. US State regulations

hexane (110-54-3)					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
No	No	No	Yes		

SECTION 16: Other information	
Revision date	: 04/03/2019
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

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Full text of H-phrases:

H225	Highly flammable liquid and vapour	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H336	May cause drowsiness or dizziness	
H373	May cause damage to organs through prolonged or repeated exposure	

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