

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 10/18/2017 Supersedes:03/02/2016 Version: 1.3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Trade name : JOHNSEN'S CARBURETOR CLEANER 16.25 OZ.

Product code : 4642C

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Carburetor Cleaner

1.3. Details of the supplier of the safety data sheet

Technical Chemical Company P.O. BOX 139 Cleburne, Texas 76033 T 817-645-6088

1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Aerosol 2 H223 Compressed gas H280 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Repr. 2 H361 STOT SE 1 H370 STOT SE 3 H336

Full text of H statements : see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)

Precautionary statements (GHS-US)



 \Diamond



GHS07



GHS08

GHS02 GHS04

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H223 - Flammable aerosol

H280 - Contains gas under pressure; may explode if heated

H315 - Causes skin irritation H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H361 - Suspected of damaging fertility or the unborn child

H370 - Causes damage to organs P201 - Obtain special instructions

P202 - Do not handle until all safety precautions have been read and understood

P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking

P211 - Do not spray on an open flame or other ignition source P251 - Pressurized container: Do not pierce or burn, even after use

P260 - Do not breathe dust,fumes,gas,mist,vapor spray P261 - Avoid breathing dust,fume,gas,mist,vapor spray P264 - Wash affected areas thoroughly after handling P270 - Do not eat, drink or smoke when using this product

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves, protective clothing, eye protection, face protection

P302+P352 - If on skin: Wash with plenty of soap and water

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing P307+P311 - If exposed: Call a poison center/doctor

P308+P313 - If exposed or concerned: Get medical advice/attention P312 - Call a POISON CONTROL CENTER, doctor, if you feel unwell.

P321 - Specific treatment: See section 4.1 on SDS

P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention

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P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P410+P403 - Protect from sunlight. Store in a well-ventilated place

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with

local, regional, national, international regulations.

Other hazards

Other hazards not contributing to the classification

: Contains gas under pressure; may explode if heated. None under normal conditions.

Unknown acute toxicity (GHS US) 2.4.

No data available

SECTION 3: Composition/Information on ingredients

Substances

Not applicable

Mixtures

Name	Product identifier	%	GHS-US classification
Acetone	(CAS No) 67-64-1	70 - 85	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Carbon Dioxide, Liquefied, Under Pressure	(CAS No) 124-38-9	9-15	Compressed gas, H280
Heptane, Branched Cyclic	(CAS No) 426260-76-6	5.7504 - 5.99	Flam. Liq. 1, H224 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Methanol	(CAS No) 67-56-1	1 - 5	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT SE 1, H370
n-Heptane	(CAS No) 142-82-5	1.4975 - 2.6955	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Toluene	(CAS No) 108-88-3	0.0599 - 0.2396	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304

The exact percentage is a trade secret.

SECTION 4: First aid measures

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. Call a POISON CENTER or doctor/physician.

First-aid measures after inhalation Cough. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call

a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash

with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation

occurs: Get medical advice/attention. Rinse cautiously with water for several minutes. Direct contact with the eyes is likely to be

First-aid measures after eye contact irritating. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation

persists: Get medical advice/attention.

: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. First-aid measures after ingestion

Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Suspected of damaging fertility or the unborn child. Causes damage to organs.

Symptoms/injuries after inhalation : May cause irritation or asthma-like symptoms. Shortness of breath. May cause drowsiness or

dizziness.

Symptoms/injuries after skin contact : May cause slight irritation . Itching. Red skin. Causes skin irritation.

Symptoms/injuries after eye contact : Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue. Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed

No additional information available

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SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Special hazards arising from the substance or mixture

: Flammable aerosol. Fire hazard

Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of **Explosion hazard**

burns and injuries.

Advice for firefighters

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. DO NOT fight fire when fire

reaches explosives. Evacuate area.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

Other information Aerosol Level 2.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove

ignition sources. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Safety glasses.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing dust,fume,gas,mist,vapor spray.

Emergency procedures : Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up 6.3.

: Dam up the liquid spill. Contain released substance, pump into suitable containers. Plug the For containment

leak, cut off the supply.

: Store away from other materials. Methods for cleaning up

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

Precautions for safe handling

: Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or Additional hazards when processed

burn, even after use

Wash hands and other exposed areas with mild soap and water before eating, drinking or Precautions for safe handling

smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Obtain special instructions Do not handle until all safety precautions have been read and understood. Avoid breathing dust,fume,gas,mist,vapor spray. Use only outdoors or in a well-ventilated area. Do not breathe

dust,fumes,gas,mist,vapor spray.

Wash contaminated clothing before reuse. Wash affected areas thoroughly after handling. Do Hygiene measures

not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking

and when leaving work.

Conditions for safe storage, including any incompatibilities

: Proper grounding procedures to avoid static electricity should be followed. Technical measures

Keep only in the original container in a cool, well ventilated place away from : Do not expose to Storage conditions

temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

: Sources of ignition. Direct sunlight. Heat sources. Incompatible materials

Storage area : Store in a well-ventilated place.

Specific end use(s)

Follow Label Directions.

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SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
Benzene (71-43-2)		
USA ACGIH	ACGIH TWA (ppm)	1 ppm
USA ACGIH	ACGIH STEL (ppm)	5 ppm
USA ACGIH	ACGIH Ceiling (ppm)	25 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	5 ppm
Toluene (108-88-3)		
USA ACGIH	ACGIH TWA (mg/m³)	75 mg/m³
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
n-Heptane (142-82-5)		
USA ACGIH	ACGIH TWA (ppm)	400 ppm (Heptane, all isomers; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA ACGIH	ACGIH STEL (ppm)	500 ppm (Heptane, all isomers; USA; Short time value; TLV - Adopted Value)
Heptane, Branched Cyclic (4	26260-76-6)	
USA ACGIH	ACGIH TWA (ppm)	400 ppm
USA ACGIH	ACGIH STEL (ppm)	500 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	500 ppm
Carbon Dioxide, Liquefied, U	Inder Pressure (124-38-9)	
USA ACGIH	ACGIH TWA (mg/m³)	9000 mg/m ³
USA ACGIH	ACGIH TWA (ppm)	5000 ppm (Carbon dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA ACGIH	ACGIH STEL (mg/m³)	54000
USA ACGIH	ACGIH STEL (ppm)	30000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	9000 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	5000 ppm
Acetone (67-64-1)		
USA ACGIH	ACGIH TWA (mg/m³)	1188 mg/m³
USA ACGIH	ACGIH TWA (ppm)	500 ppm
USA ACGIH	ACGIH STEL (mg/m³)	1782 mg/m³
USA ACGIH	ACGIH STEL (ppm)	750 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	2400 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Methanol (67-56-1)		
USA ACGIH	ACGIH TWA (mg/m³)	262 mg/m³
USA ACGIH	ACGIH TWA (ppm)	200 ppm (Methanol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA ACGIH	ACGIH STEL (mg/m³)	328 mg/m³
USA ACGIH	ACGIH STEL (ppm)	250 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
8.2. Exposure controls		

Appropriate engineering controls

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[:] Local exhaust venilation, vent hoods . Ensure good ventilation of the work station.

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Personal protective equipment : Gloves. Safety glasses. Avoid all unnecessary exposure.





Materials for protective clothing : GIVE EXCELLENT RESISTANCE:

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.
Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is

recommended.

Environmental exposure controls : Avoid release to the environment.

Consumer exposure controls : Avoid contact during pregnancy/while nursing.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Gas
Appearance : Liquid.

Color : Colourless to light yellow.

Odor : Acetone odour. Solvent-like odour.

Odor threshold : No data available pH : No data available Relative evaporation rate (butyl acetate=1) : No data available

Melting point : -95 °C (Lowest Component-Acetone)

Freezing point : No data available

Boiling point : 56 °C (Lowest Component-Acetone)

Flash point : -18 °C (Lowest Component-Acetone)

Critical temperature : 235 °C (Lowest Component-Acetone)

Auto-ignition temperature : 465 °C (Lowest Component-Acetone)

Decomposition temperature : No data available Flammability (solid, gas) : No data available Vapor pressure : No data available Relative vapor density at 20 °C : No data available

Relative density : 0.783

Solubility : Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in dimethyl ether. Soluble in

petroleum spirit. Soluble in chloroform. Soluble in dimethylformamide. Soluble in oils/fats.

Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosion limits : No data available

9.2. Other information

VOC content : 9.6 %

Gas group : Compressed gas

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

10.3. Possibility of hazardous reactions

Not established.

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10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

10.5. Incompatible materials

Strong acids. Strong bases.

IARC group

exposure

Reproductive toxicity

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated

10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Acute toxicity	: Not classified
Benzene (71-43-2)	
LD50 oral rat	> 930 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; > 2000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 8240 mg/kg (Rabbit; Experimental value; 21 CFR 191.10; > 9.4; Rabbit)
LC50 inhalation rat (mg/l)	43.767 mg/l/4h (Rat; Experimental value)
LC50 inhalation rat (ppm)	13700 ppm/4h (Rat; Experimental value)
Toluene (108-88-3)	
LD50 oral rat	5580 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg body weight LD50 quoted as 14.1 mL/kg (12267 mg/kg using density of 0.87)
LC50 inhalation rat (mg/l)	> 28.1 mg/l/4h (Rat; Air, Literature study)
n-Heptane (142-82-5)	
LD50 oral rat	> 15000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 3160 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >2000 mg/kg bodyweight; Rabbit; Read-across)
LC50 inhalation rat (mg/l)	103 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	25000 ppm/4h (Rat; Literature study)
Heptane, Branched Cyclic (426260-76-6)	
LD50 oral rat	> 15000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 3160 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >2000 mg/kg bodyweight; Rabbit; Read-across)
LC50 inhalation rat (mg/l)	103 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	25000 ppm/4h (Rat; Literature study)
Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	20000 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	71 mg/l/4h (Rat; Experimental value; 76 mg/l/4h; Rat; Experimental value)
LC50 inhalation rat (ppm)	30000 ppm/4h (Rat; Experimental value)
Methanol (67-56-1)	
LD50 oral rat	>= 2528 mg/kg body weight application as 50% aqueous solution
LD50 dermal rabbit	17100 mg/kg corresponding to 20 ml/kg bw according to the authors
LC50 inhalation rat (mg/l)	128.2 mg/l/4h Air
kin corrosion/irritation	: Causes skin irritation.
erious eye damage/irritation	: Causes serious eye irritation.
espiratory or skin sensitization	: Not classified
erm cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
arcinogenicity	: Not classified
Benzene (71-43-2)	
IARC group	1
Toluene (108-88-3)	<u>'</u>

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: Suspected of damaging fertility or the unborn child.

: Causes damage to organs. May cause drowsiness or dizziness.

3

: Not classified

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Aspiration hazard : Not classified

Potential Adverse human health effects and : E

symptoms

: Based on available data, the classification criteria are not met. $\label{eq:classification}$

Symptoms/injuries after inhalation : May cause irritation or asthma-like symptoms. Shortness of breath. May cause drowsiness or

dizziness

Symptoms/injuries after skin contact : May cause slight irritation. Itching. Red skin. Causes skin irritation.

Symptoms/injuries after eye contact : Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue.

Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Benzene (71-43-2)	
LC50 fish 1	5.3 mg/l (LC50; 96 h; Salmo gairdneri)
EC50 Daphnia 2	10 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
Threshold limit algae 1	100 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

n-Heptane (142-82-5)

EC50 Daphnia 1	0.2 mg/l (LC50; Other; 96 h; Chaetogammarus marinus; Semi-static system; Salt water;
	Experimental value)

Acetone (67-64-1)

EC50 Daphnia 2	12600 mg/l (LC50; Other; 48 h; Daphnia magna; Static system; Fresh water; Experimental
	value)

Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

LC50 fish 1	35 mg/l (LC50; 96 h; Salmo gairdneri)

Acetone (67-64-1)

7.0010110 (07 01 1)	
LC50 fish 1	6210 mg/l (96 h; Pimephales promelas; Nominal concentration)
EC50 Daphnia 1	8800 mg/l (48 h; Daphnia pulex)
LC50 fish 2	5540 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
TLM fish 1	13000 ppm (96 h; Gambusia affinis; Turbulent water)
TLM fish 2	> 1000 ppm (96 h; Pisces)
Threshold limit other aquatic organisms 1	3000 mg/l (Plankton)
Threshold limit other aquatic organisms 2	28 mg/l (Protozoa)
Threshold limit algae 1	7500 mg/l (Scenedesmus quadricauda; pH = 7)
Threshold limit algae 2	3400 mg/l (48 h; Chlorella sp.)

Methanol (67-56-1)

,	
LC50 fish 1	15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	> 10000 mg/l (EC50; DIN 38412-11; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
LC50 fish 2	10800 mg/l (LC50; 96 h; Salmo gairdneri)

12.2. Persistence and degradability

JOHNSEN'S CARBURETOR CLEANER 16.25 OZ.

Persistence and degradability	Not established.
Benzene (71-43-2)	
Persistence and degradability	Readily biodegradable in water. Ozonation in water. Forming sediments in water. Biodegradable in the soil. Low potential for adsorption in soil. Photolysis in the air. Not established.
Biochemical oxygen demand (BOD)	2.18 g O ₂ /g substance
Chemical oxygen demand (COD)	2.15 g O ₂ /g substance
ThOD	3.1 g O ₂ /g substance
BOD (% of ThOD)	0.7
Taluana (400 00 2)	

Toluene (108-88-3)

Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	2.15 g O ₂ /g substance
Chemical oxygen demand (COD)	2.52 g O ₂ /g substance
ThOD	3.13 g O ₂ /g substance
BOD (% of ThOD)	0.69

n-Heptane (142-82-5)

Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Low
	potential for adsorption in soil. Photolysis in the air. Not established.

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	n-Heptane (142-82-5)			
Biochemical oxygen demand (BOD)	1.92 g O ₂ /g substance			
Chemical oxygen demand (COD)	0.06 g O ₂ /g substance			
ThOD	3.52 g O ₂ /g substance			
BOD (% of ThOD)	> 0.5 (5 days; Literature study)			
Heptane, Branched Cyclic (426260-76-6)				
Persistence and degradability	May cause long-term adverse effects in the environment.			
Acetone (67-64-1)				
Persistence and degradability	Not established.			
<u> </u>				
Carbon Dioxide, Liquefied, Under Pressure (1				
Persistence and degradability Biochemical oxygen demand (BOD)	Biodegradability: not applicable. Not applicable (gas). Not applicable			
Chemical oxygen demand (COD)	Not applicable Not applicable			
ThOD	Not applicable Not applicable			
	Τνοι αρμισασίο			
Acetone (67-64-1)	Deadly his demandable is writer Disdemandable in the call Disdemandable in the call writer			
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available. Not established.			
Biochemical oxygen demand (BOD)	1.43 g O ₂ /g substance			
Chemical oxygen demand (COD)	1.92 g O ₂ /g substance			
ThOD	2.2 g O ₂ /g substance			
BOD (% of ThOD)	(20 day(s)) 0.872			
Methanol (67-56-1)				
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.			
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O ₂ /g substance			
Chemical oxygen demand (COD)	1.42 g O ₂ /g substance			
ThOD	1.5 g O ₂ /g substance			
BOD (% of ThOD)	0.8 (Literature study)			
12.3. Bioaccumulative potential				
JOHNSEN'S CARBURETOR CLEANER 16.25	OZ.			
Bioaccumulative potential	Not established.			
Benzene (71-43-2)				
BCF fish 1	19 (BCF)			
BCF fish 2	< 10 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 3 days; Leuciscus idus; Flow-through system; Fresh water; Experimental value)			
BCF other aquatic organisms 1	30 (BCF; 24 h; Chlorella sp.)			
Log Pow	2.13 (Experimental value)			
Log Pow Bioaccumulative potential	2.13 (Experimental value) Low potential for bioaccumulation (BCF < 500). Not established.			
Bioaccumulative potential	,			
-	Low potential for bioaccumulation (BCF < 500). Not established.			
Bioaccumulative potential Toluene (108-88-3)	,			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water)			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C)			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5)	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500).			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00)			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study)			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00)			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study)			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential Heptane, Branched Cyclic (426260-76-6) Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established.			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential Heptane, Branched Cyclic (426260-76-6) Bioaccumulative potential Acetone (67-64-1)	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established. Not established.			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential Heptane, Branched Cyclic (426260-76-6) Bioaccumulative potential Acetone (67-64-1) Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established. Not established.			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential Heptane, Branched Cyclic (426260-76-6) Bioaccumulative potential Acetone (67-64-1) Bioaccumulative potential Carbon Dioxide, Liquefied, Under Pressure (1	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established. Not established.			
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Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential Heptane, Branched Cyclic (426260-76-6) Bioaccumulative potential Acetone (67-64-1) Bioaccumulative potential Carbon Dioxide, Liquefied, Under Pressure (1 Log Pow Bioaccumulative potential Acetone (67-64-1)	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established. Not established. Not established. 24-38-9) 0.83 (Experimental value) Bioaccumulation: not applicable.			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential Heptane, Branched Cyclic (426260-76-6) Bioaccumulative potential Acetone (67-64-1) Bioaccumulative potential Carbon Dioxide, Liquefied, Under Pressure (1 Log Pow Bioaccumulative potential Acetone (67-64-1) BCF fish 1	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established. Not established. Not established. 24-38-9) 0.83 (Experimental value) Bioaccumulation: not applicable.			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential Heptane, Branched Cyclic (426260-76-6) Bioaccumulative potential Acetone (67-64-1) Bioaccumulative potential Carbon Dioxide, Liquefied, Under Pressure (1 Log Pow Bioaccumulative potential Acetone (67-64-1) BCF fish 1 BCF other aquatic organisms 1	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established. Not established. Not established. 24-38-9) 0.83 (Experimental value) Bioaccumulation: not applicable. 0.69 (Pisces) 3			
Bioaccumulative potential Toluene (108-88-3) BCF fish 2 Log Pow Bioaccumulative potential n-Heptane (142-82-5) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential Heptane, Branched Cyclic (426260-76-6) Bioaccumulative potential Acetone (67-64-1) Bioaccumulative potential Carbon Dioxide, Liquefied, Under Pressure (1 Log Pow Bioaccumulative potential Acetone (67-64-1) BCF fish 1	Low potential for bioaccumulation (BCF < 500). Not established. 90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water) 2.73 (Experimental value; Other; 20 °C) Low potential for bioaccumulation (BCF < 500). 552 (BCF; BCFBAF v3.00) 4.66 (Experimental value; 4.5; Literature study) Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established. Not established. Not established. 24-38-9) 0.83 (Experimental value) Bioaccumulation: not applicable.			

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Methanol (67-56-1)		
BCF fish 1	< 10 (BCF; 72 h; Leuciscus idus)	
Log Pow	-0.77 (Experimental value; Other)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	

2.4. Mobility in soil			
Benzene (71-43-2)			
Surface tension	0.029 N/m (20 °C)		
Log Koc	Koc,134.1; QSAR		
Toluene (108-88-3)			
Surface tension	0.03 N/m (20 °C)		
n-Heptane (142-82-5)			
Surface tension	0.019 N/m (25 °C; 0.020 N/m; 20 °C)		
Log Koc	log Koc,SRC PCKOCWIN v2.0; 2.38; Calculated value		
Acetone (67-64-1)			
Surface tension	0.0237 N/m (20 °C)		
Methanol (67-56-1)	Methanol (67-56-1)		
Surface tension	Surface tension 0.023 N/m (20 °C)		

Koc, PCKOCWIN v1.66; 1; Calculated value

12.5. Other adverse effects

Log Koc

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Container under

pressure. Do not drill or burn even after use. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Additional information : Flammable vapors may accumulate in the container.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

US DOT (ground): UN1950, Aerosols, 2.1, Limited Quantity ICAO/IATA (air): UN1950, Aerosols, 2.1, Limited Quantity

IMO/IMDG (water): UN1950, Aerosols, 2.1 (Marine Pollutant-Heptane), Limited Quantity

Special Provisions: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

UN proper shipping name 14.2.

Proper Shipping Name (DOT) : Aerosols

Flammable, (each not exceeding 1 L capacity)

Class (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115

Hazard labels (DOT) : 2.1 - Flammable gas



DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

DOT Packaging Exceptions (49 CFR 173.xxx) : 306 DOT Packaging Non Bulk (49 CFR 173.xxx) : None : None DOT Packaging Bulk (49 CFR 173.xxx)

14.3. Additional information

Other information : No supplementary information available.

Overland transport

No additional information available

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Transport by sea

: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a **DOT Vessel Stowage Location**

passenger vessel.

DOT Vessel Stowage Other 48 - Stow "away from" sources of heat,87 - Stow "separated from" Class 1 (explosives) except

Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

Subsidiary risks (IMDG) : Marine Pollutant-Heptane

Air transport

DOT Quantity Limitations Passenger aircraft/rail : 75 kg

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 150 kg

CFR 175.75)

SECTION 15: Regulatory information

15.1. US Federal regulations

JOHNSEN'S	CARRI	IRFTOR	CL FANER	16 25 O7

SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard

Fire hazard

Immediate (acute) health hazard Sudden release of pressure hazard

Benzene (71-43-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

Toluene (108-88-3)

Subject to reporting requirements of United States SARA Section 313 Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 302

SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard Fire hazard

Immediate (acute) health hazard

Heptane, Branched Cyclic (426260-76-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 311/312 Hazard Classes Fire hazard

Immediate (acute) health hazard Delayed (chronic) health hazard

Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

SARA Section 311/312 Hazard Classes Sudden release of pressure hazard Immediate (acute) health hazard

Acetone (67-64-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard Fire hazard Delayed (chronic) health hazard

Methanol (67-56-1)

Subject to reporting requirements of United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 302 Listed on the United States SARA Section 355

SARA Section 311/312 Hazard Classes

Immediate (acute) health hazard

Delayed (chronic) health hazard

Fire hazard

15.2. International regulations

CANADA

			_
JOHNSEN'S	CARRURETOR	CLEANER 16 25 OZ	

Class B Division 5 - Flammable Aerosol WHMIS Classification

Benzene (71-43-2)

Listed on the Canadian DSL (Domestic Substances List)

Toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects

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Heptane, Branched Cyclic (426260-76-6)		
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects	
Acetone (67-64-1)		
Listed on the Canadian DSL (Domestic Substances List)		
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects	
Methanol (67-56-1)		
Listed on the Canadian DSL (Domestic Substances List)		
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects	

EU-Regulations

Toluene (108-88-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Heptane, Branched Cyclic (426260-76-6)

Acetone (67-64-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)

Methanol (67-56-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11 Xn; R20/21/22

Xn; R68/20/21/22

Xi; R36

Full text of R-phrases: see section 16

15.2.2. National regulations

Benzene (71-43-2)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Toluene (108-88-3)

Heptane, Branched Cyclic (426260-76-6)

All components are either listed on the US TSCA Inventory, or are not regulated under TSCA under 40 CFR 720.30.

Acetone (67-64-1)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Methanol (67-56-1)

Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

JOHNSEN'S CARBURETOR CLEANER 16.25 OZ.	
U.S California - Proposition 65 - Carcinogens List	No
U.S California - Proposition 65 - Developmental Toxicity	No
U.S California - Proposition 65 - Reproductive Toxicity - Female	No
U.S California - Proposition 65 - Reproductive	No

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	R CLEANER 16.25 OZ.			
Toxicity - Male State or local regulations		U.S California - Proposition	65	
		0.5 California - Proposition	03	
Benzene (71-43-2) 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	Non-significant risk level (NSRL)
Yes	Yes	No	Yes	
Toluene (108-88-3)				
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	Non-significant risk level (NSRL)
No	Yes	No	No	
n-Heptane (142-82-5)				
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	Non-significant risk level (NSRL)
No	No	No	No	
Heptane, Branched Cyclic	(426260-76-6)			
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	Non-significant risk level (NSRL)
No	No	No	No	
Acetone (67-64-1)				
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	Non-significant risk level (NSRL)
No	No	No	No	
Carbon Dioxide, Liquefied,	Under Pressure (124-38-9			
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	Non-significant risk level (NSRL)
No	No	No	No	
Acetone (67-64-1)				
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	Non-significant risk level (NSRL)
Yes	No	No	No	
Methanol (67-56-1)				
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	Non-significant risk level (NSRL)
No	Yes	No	No	
	1	1		
Benzene (71-43-2)				

U.S. - California - Proposition 65 U.S. - Pennsylvania - RTK (Right to Know) List

New Jersey Right-to-Know

Toluene (108-88-3)

State or local regulations

U.S. - California - Proposition 65

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Toluene (108-88-3)

U.S. - New Jersey - Special Health Hazards Substances List

New Jersey Right-to-Know

U.S. - Massachusetts - Right To Know List

Rhode Island Right to Know

U.S. - Michigan - Critical Materials List

U.S. - New Jersey - Environmental Hazardous Substances List

U.S. - Illinois - Toxic Air Contaminants

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Acetone (67-64-1)

State or local regulations

U.S. - California - Proposition 65

Benzene 71-43-2

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

Methanol (67-56-1)

State or local regulations

U.S. - California - Proposition 65

New Jersey Right-to-Know

Florida Right to Know

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Indication of changes : Revision - See : *.

Other information : None.

Full text of H-phrases:

H223	Flammable aerosol
H224	Extremely flammable liquid and vapor
H225	Highly flammable liquid and vapor
H280	Contains gas under pressure; may explode if heated
H301	Toxic if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated
	exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

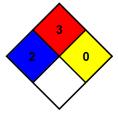
medical attention is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all

ambient conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions,

and are not reactive with water.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 3 Serious Hazard
Physical : 1 Slight Hazard

Personal Protection : B

SDS US (GHS HazCom 2012) - TCC

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The Supplier identified in Section 1 of this SDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. Published by Melissa Hutchinson

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