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SECTION 11 Identification of the substance/mixture and of the company/undertaking 11. Product learnine 12. Relevant identifier 13. Desting the substance/mixture 14. Enversited identified uses of the substance or mixture and uses advised against 15. Relevant identified uses of the substance or mixture and uses advised against 16. Desting the substance/mixture 17. Relevant identified uses of the substance or mixture and uses advised against 18. Desting the substance/mixture 19. Desting of the substance/mixture 19. Other substance or mixture and uses advised against 19. Other substance or mixture and uses advised against 11. Classification of the substance or mixture and uses advised against 11. Classification of the substance or mixture and uses advised against 11. Classification of the substance or mixture and uses advised against (GHS-US advised against (GHS-US) 11. Gassification of the substance or mixture and uses advised against (GHS-US) 12. Class denomist 13. Other tasks advised against (GHS-US) 14. Envergency tasks advised against (GHS-US) 15. Dunger 15. Extremely f		
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CHEMTREC (800) 424-9300 CHEMTREC International +1 (703) 527-3887 24 hr SECTION 2: Hazards identification 2.1. Classification CHE-VIS classification CHE-VIS	1.4. Emergency telephone number	
21. Classification of the substance or mixture CH5-US classification Flammable Aerosol 1 Gases Under Pressure - Compressed Gas Skin initiation 2A Skin sensitization 1 Specific target organ toxicity - Single exposure 3 Specific target organ toxicity - Repeated exposure 2 Aspiration hazard 1 22. Label elements GH5-US labelling Hazard pictograms (GHS-US) :	Emergency number	CHEMTREC (800) 424-9300
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 Precautionary statements (GHS-US) Keep away from heat/sparks/open flames/hot surfacesNo smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not herathe gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor. Do NOT induce vomiting. Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents and container in accordance with all local, regional, national and international regulations. 2.4. Unknown acute toxicity (GHS-US) 	,	: Danger
 flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents and container in accordance with all local, regional, national and international regulations. 2.3. Other hazards No additional information available 2.4. Unknown acute toxicity (GHS-US)	Hazard statements (GHS-US)	damaging the unborn child. May cause drowsiness or dizziness. May cause damage to organs
No additional information available 2.4. Unknown acute toxicity (GHS-US)		flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe gas/mist/vapors/spray. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents and container in
2.4. Unknown acute toxicity (GHS-US)		
		nknown acute toxicity.

EN (English)



Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Name	Product identifier	%	GHS-US classification
Acetone	(CAS No) 67-64-1	60 - 100	Flam. Liq. 2 Eye Irrit. 2A STOT SE 3
leptane, branched, cyclic and linear	(CAS No) 426260-76-6	5 - 10	Flam. Liq. 2 Skin Irrit. 2 STOT SE 3 Asp. Tox. 1
Carbon dioxide	(CAS No) 124-38-9	3 - 7	Compressed gas
n-Heptane	(CAS No) 142-82-5	1 - 5	Flam. Liq. 2 Skin Irrit. 2 STOT SE 3
Toluene	(CAS No) 108-88-3	1 - 5	Flam. Liq. 2 Acute Tox. 4 (Oral) Skin Irrit. 2 Repr. 2 STOT SE 3 STOT RE 2 Asp. Tox. 1
Citrus, extract	(CAS No) 94266-47-4	1 - 5	Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 Asp. Tox. 1

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion	: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/injuries after inhalation	: May cause drowsiness, dizziness and central nervous system depression. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause sensitisation by skin contact.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Powder, water spray, foam, carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the su	ubstance or mixture
Fire hazard	: Extremely flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
5.3. Advice for firefighters	
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to keep fire-exposed containers cool.



Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 6: Accidental release r	neasures
6.1. Personal precautions, protectiv	ve equipment and emergency procedures
General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.
6.2. Methods and material for conta	ainment and cleaning up
For containment	: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Scoop up material and place in a disposal container. Provide ventilation.
6.3. Reference to other sections	
See section 8 for further information on pro	tective clothing and equipment and section 13 for advice on waste disposal.
SECTION 7: Handling and storage	ye
7.1. Precautions for safe handling	
Precautions for safe handling	: Keep away from sources of ignition - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin and eyes. Do not breathe gas/mist/vapors/spray. Do not swallow. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep locked up and out of reach of children. Do not expose to temperatures exceeding 50°C/ 122°F. Store away from direct sunlight or other heat sources. Store in a well-ventilated place.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Acetone (67-64-1)		
USA ACGIH	ACGIH TWA (ppm)	500 ppm
USA ACGIH ACGIH STEL (ppm) 750		750 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	2400 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

Carbon dioxide (124-38-9)		
USA ACGIH	ACGIH TWA (ppm)	5000 ppm
USA ACGIH	ACGIH STEL (ppm)	30000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	9000 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	5000 ppm

n-Heptane (142-82-5)			
USA ACGIH ACGIH TWA (ppm)		400 ppm	
USA ACGIH ACGIH STEL (ppm)		500 ppm	
USA OSHA OSHA PEL (TWA) (mg/m³)		2000 mg/m ³	
USA OSHA OSHA PEL (TWA) (ppm) 500 ppm		500 ppm	

Toluene (108-88-3)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (STEL) (ppm)	150 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Safety glasses or goggles are recommended when using product.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: A NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	cher	nical properties
Physical state	:	Gas/Pressurized Liquid.
Appearance	:	Clear.
Colour	:	Colourless.
Odour	:	Orange.
Odour threshold	:	No data available.
рН	:	No data available.
Relative evaporation rate (butylacetate=1)	:	No data available.
Melting point	:	No data available.
Freezing point	:	No data available.
Boiling point	:	No data available.
Flash point	:	No data available.
Self ignition temperature	:	No data available.
Decomposition temperature	:	No data available.
Flammability (solid, gas)	:	Flammable
Vapour pressure	:	No data available.
Relative vapour density at 20 °C	:	No data available.
Relative density	:	0.745 - 0.755
Solubility	:	No data available.
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.
Oxidising properties	:	No data available.
Explosive limits	:	No data available.

9.2. Other information

No additional information available

SECT	ION 10: Stability and reactivity	
10.1.	Reactivity	
No dan	gerous reaction known under conditions of	normal use.
10.2.	Chemical stability	
Stable Do not		flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture.
10.3.	Possibility of hazardous reactions	
No dan	gerous reaction known under conditions of	normal use.
10.4.	Conditions to avoid	
Source	s of ignition. Incompatible materials.	
10.5.	Incompatible materials	
Acids. A	mines. Bases. Oxidizers.	
10.6.	Hazardous decomposition products	
May inc	lude, and are not limited to: oxides of carbo	on.
SECT	ION 11: Toxicological information	n
11.1.	Information on toxicological effects	
Acute to	oxicity	Not classified
4920		
LD50	oral rat	> 2000 mg/kg
LD50	dermal rabbit	> 2000 mg/kg
00/04/00		

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Safety Data Sheet

Carcinogenicity

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

4920	
LC50 inhalation rat (mg/l)	> 5 mg/l/4h
Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg
LC50 inhalation rat (mg/l)	50100 mg/m³/8h
n-Heptane (142-82-5)	
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (mg/l)	103 g/m³/4h
Toluene (108-88-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	12124 mg/kg
LD50 dermal rabbit	8390 mg/kg
LC50 inhalation rat (mg/l)	28.1 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.

: Based on available data, the classification criteria are not met.

: Based on available data, the classification criteria are not met.

Toluene (108-88-3)	
IARC group	3
Reproductive toxicity	: Suspected of damaging the unborn child.
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: May cause drowsiness, dizziness and central nervous system depression. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause sensitisation by skin contact.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

SECTI	ON 12: Ecological information	
12.1.	Toxicity	
Ecology	- general :	May cause long-term adverse effects in the aquatic environment.
12.2.	Persistence and degradability	
4920		
Persiste	ence and degradability	Not established.
12.3.	Bioaccumulative potential	
4920		
Bioaccu	umulative potential	Not established.
12.4.	Mobility in soil	
No additi	onal information available	
12.5.	Other adverse effects	
No additi	onal information available	
SECTI	ON 13: Disposal considerations	
13.1.	Waste treatment methods	
Waste di	sposal recommendations :	This material must be disposed of in accordance with all local, state, provincial, and federal

: Flammable vapours may accumulate in the container. Do not incinerate closed containers.

regulations. The generation of waste should be avoided or minimized wherever possible.



Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 14: Transpo	ort information
In accordance with DOT	
14.1. UN number	
UN-No.	: UN1950
14.2. UN proper shippi	ng name
Proper Shipping Name	: Aerosols flammable
Department of Transportatio	n Hazard Classes : 2.1
Hazard labels	
14.3. Additional informat	ion
Other information	: No supplementary information available.
Special transport precaution	s : Do not handle until all safety precautions have been read and understood.
SECTION 15: Regulat	
15.1. US Federal regulation	IS
Acetone (67-64-1)	
Listed on the United States	TSCA (Toxic Substances Control Act) inventory
EPA TSCA Regulatory Flag	g T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
Heptane, branched, cycli	c and linear (426260-76-6)
Listed on the United States	STSCA (Toxic Substances Control Act) inventory
Carbon dioxide (124-38-9	
Listed on the United States	TSCA (Toxic Substances Control Act) inventory
n-Heptane (142-82-5)	
	STSCA (Toxic Substances Control Act) inventory
EPA TSCA Regulatory Flag	g T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
Toluene (108-88-3)	
Listed on the United States	TSCA (Toxic Substances Control Act) inventory 3 (Specific toxic chemical listings)
SARA Section 313 - Emiss	ion Reporting 1.0 %
15.2. US State regulations	
4920	
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
SOURCE AGENCY CARCIN	NOGEN CLASSIFICATIONS:
IARC	International Agency for Research on Cancer.
	 Carcinogenic to humans; Probably carcinogenic to humans; Possibly carcinogenic to humans; Not classifiable; Probably not carcinogenic to humans.
NTP	National Toxicology Program.
	 Evidence of Carcinogenicity; Known Human Carcinogens; Reasonably anticipated to be Human Carcinogen; Substances delisted from report on Carcinogens; Twelfth Report - Items under consideration.



Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

ndication of changes	: None.	
Date of issue	: 03/31/2014	
Other information	: None.	
NFPA health hazard	: 2	
NFPA fire hazard	: 4	4
NFPA reactivity	: 0	2 0

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

