453012

# SAFETY DATA SHEET

#### 1. Identification

Product number	100002713
Product identifier	12 OZ AEROTACK DUCT LINER ADH LT 12PK
Revision date	10-26-2016
Company information	POLYMER ADHESIVE SEALANT SYS INC 501 GARRETT MORRIS PKWY MINERAL WELLS, TX 76067 United States
Company phone	General Assistance 940-328-9500
Emergency telephone US	1-866-836-8855
Emergency telephone outside US	1-952-852-4646
Version #	09
Supersedes date	08-13-2015
Recommended use	ADHESIVE
Recommended restrictions	None known.

#### 2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 1
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Reproductive toxicity (fertility, the unborn child)	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2
	Aspiration hazard	Category 1
OSHA defined hazards	Not classified.	

Label elements



#### Danger

Hazard statement

Signal word

Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn,

	even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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DisposalDispose of contents/container in accordance with local/regional/national/international regulations.Hazard(s) not otherwise<br/>classified (HNOC)Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Supplemental information None.

### 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Acetone		67-64-1	20 - 40
Propane		74-98-6	20 - 40
Dimethyl Ether		115-10-6	10 - 20
n-Hexane		110-54-3	10 - 20
2-Methylpentane		107-83-5	2.5 - 10
3-Methylpentane		96-14-0	1 - 2.5
Other components below report	able levels		20 - 40

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

**Fire fighting** 

Inhalation	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.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
5. Fire-fighting measures	
Suitable extinguishing media	Alcohol resistant foam. Dry powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Containers should be cooled with

equipment/instructions	water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
General fire hazards	Extremely flammable aerosol.

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#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Level 3 Aerosol.
including any incompationities	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS)

## 8. Exposure controls/personal protection

#### **Occupational exposure limits**

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

10 of the SDS).

Components	Туре	Value	
Acetone (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
n-Hexane (CAS 110-54-3)	PEL	1800 mg/m3	
		500 ppm	
Propane (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
US. ACGIH Threshold Limit Values	3		
Components	Туре	Value	
2-Methylpentane (CAS 107-83-5)	STEL	1000 ppm	
	TWA	500 ppm	
3-Methylpentane (CAS 96-14-0)	STEL	1000 ppm	
<i>.</i>	TWA	500 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
n-Hexane (CAS 110-54-3)	TWA	50 ppm	

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## US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	)	Va	alue
Acetone (CAS 67-64-1)	TWA		59	90 mg/m3
		-		50 ppm
n-Hexane (CAS 110-54-3)	TWA			30 mg/m3
		L. C.		) ppm
Propane (CAS 74-98-6)	TWA			300 mg/m3
		·		000 ppm
US. Workplace Environm Components	ental Exposure Level ( Type	•		alue
Dimethyl Ether (CAS 115-10-6)	TWA	A.	18	380 mg/m3
			1(	000 ppm
Biological limit values				
ACGIH Biological Exposu	uro Indicos			
Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedio	Urine	*
	-	n, without hydrolysis		
* - For sampling details, ple	ase see the source doc	ument.		
Exposure guidelines				
US - California OELs: Ski	n designation			
	•	Conh	abaarbad thra	ish the akin
n-Hexane (CAS 110-5 <b>US ACGIH Threshold Lim</b>	,		e absorbed throu	light the skin.
n-Hexane (CAS 110-5	4-3)	Can be	e absorbed throu	ugh the skin.
Appropriate engineering controls	should be matched or other engineering exposure limits hav	to conditions. If ap g controls to mainta e not been establis	plicable, use pro in airborne leve hed, maintain a	hour) should be used. Ventilation rates ocess enclosures, local exhaust ventilation, els below recommended exposure limits. If irborne levels to an acceptable level. Eye ole when handling this product.
Individual protection measure	es, such as personal p	rotective equipme	nt	
Eye/face protection	Wear safety glasse	s with side shields	(or goggles).	
Skin protection				
Hand protection	Wear appropriate c supplier.	hemical resistant g	loves. Suitable (	gloves can be recommended by the glove
Other	Wear appropriate c	hemical resistant cl	othing. Use of a	n impervious apron is recommended.
Respiratory protection	If permissible levels air-supplied respira		NIOSH mechai	nical filter / organic vapor cartridge or an
Thermal hazards	Wear appropriate the	nermal protective cl	othing, when ne	ecessary.
General hygiene considerations	personal hygiene m	neasures, such as v	vashing after ha	n using do not smoke. Always observe good ndling the material and before eating, ng and protective equipment to remove

## 9. Physical and chemical properties

### Appearance

Physical state	Gas.
Form	Aerosol.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.

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Initial boiling point and boiling range	89.77 °F (32.1 °C) estimated
Flash point	-156.0 °F (-104.4 °C) PROPELLANT estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	2.5 % estimated
Flammability limit - upper (%)	10.2 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Specific gravity	0.724 estimated

## 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

## 11. Toxicological information

Information on likely routes of exposure			
Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.		
Skin contact	Causes skin irritation.		
Eye contact	Causes serious eye irritation.		
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious		

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

Acute toxicity

May be fatal if swallowed and enters airways. Narcotic effects.

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Acetore (CAS 67-64-1)       Acute    -      Dermal    > 7428 mg/kg, 24 Hours      LD50    Guinea pig    > 7428 mg/kg, 24 Hours      > 9.4 ml/kg, 24 Hours    > 9.4 ml/kg, 24 Hours      > 9.4 ml/kg, 24 Hours    > 7428 mg/kg, 24 Hours       > 7428 mg/kg, 24 Hours      > 10    > 7428 mg/kg, 24 Hours       > 56700 ppm, 3 Hours       55700 ppm, 3 Hours       132 mg/k, 3 Hours       > 5800 mg/kg       > 200 mg/kg      Dimethyl Ether (CAS 115-10-6)    2 ml/kg      Acute    Store      Inhalation    2 ppm, 6 Hours      n-Hexane (CAS 110-54-3)    > 2000 mg/kg, 4 Hours      Acute    > 5 ml/kg, 4 Hours      Dermal    > 2000 mg/kg, 4 Hours      LD50    Rat    > 2000 mg/kg, 4 Hours       > 5 ml/kg, 4 Hours       > 138 mg/l      LC50    Rat    2 ml/kg       2 ml/kg       2 ml/kg	Components	Species	Test Results
Demai	Acetone (CAS 67-64-1)		
LD50Guine pig> 7426 mg/kg, 24 Hours9.4 ml/kg, 24 Hours> 9.4 ml/kg, 24 Hours7426 mg/kg, 24 Hours> 7426 mg/kg, 24 Hours10.0007426 mg/kg, 24 HoursLC50Ratbit> 7426 mg/kg, 24 HoursLC50Rat5700 ppm, 3 Hours122 mg/t, 3 Hours122 mg/t, 3 HoursLD50Rat6800 mg/kgDimetry Letter (CAS 115-10-6)- 22 ml/kgNoELRat2 ppm, 6 HoursInhalation. 2000 mg/kg, 4 HoursNOELRat2 ppm, 6 HoursLD50Rat2 ppm, 6 HoursLD50Ratbit2 ppm, 6 HoursLD50Ratbit2 ppm, 6 HoursLD50Ratbit2 ppm, 6 HoursLD50Ratbit2 pong mg/kg, 4 HoursLD50Ratbit2 pong mg/kg, 4 HoursLD50Ratbit2 pong mg/kg, 4 HoursLD50Ratbit3 1.86 mg/tLC50Ratbit3 1.86 mg/tLD50Ratbit3 1.86 mg/tLC50Ratbit2 g/kgLD50Ratbit2 g/kgLC50Ratbit2 g/kgHalation2 g/kgLC50Mouse2 g/kgHours2 g/kgHours2 g/kgLD50KatbitLC50MouseLC50MouseLC50KatbitHours2 g/kgHours2 g/kgHours2 g/kgHours2 g/kgHours2 g/kgHours2 g/kg<	<u>Acute</u>		
9.4 mlkg, 24 Hours 7426 mg/kg, 24 Hours 9.4 mlkg, 24 Hours 5.700 ppm, 3 Hours 132 mg/l, 3 Hours 132 mg/l, 3 Hours 100 mg/kg	Dermal		
Rabbit     > 7426 mg/kg, 24 Hours       Inhattion     > 94 mi/kg, 24 Hours       LG50     Rat     55700 ppm, 3 Hours       122 mg/t, 3 Hours     122 mg/t, 3 Hours       125 mg/t     800 mg/kg       Drat     22 mi/kg       LD50     Rat     2000 mg/kg       Dimethyl Ether (CAS 115-10-6)     22 mi/kg       Acute     20 mg/kg       Inhatation     2 mg/kg       NOEL     Rat     2 ppm, 6 Hours       Acute     2 ppm, 6 Hours       Dermal     2 ppm, 6 Hours       LD50     Rat     2 ppm, 6 Hours       Acute     2 ppm, 6 Hours       Dermal     2 ppm, 6 Hours       LD50     Rat     2 ppm, 6 Hours       LD50     Rat     2 ppm, 6 Hours       Hatation     2 ppm, 6 Hours       LD50     Rat     2 ppm, 6 Hours       LD50	LD50	Guinea pig	> 7426 mg/kg, 24 Hours
Inhalation       55700 pp., 3 Hours         LC50       Rat       55700 pp., 3 Hours         132 mg/t, 3 Hours       132 mg/t, 3 Hours         132 mg/t, 3 Hours       50.1 mg/t         Oral       500 mg/kg         LD50       Rat       5800 mg/kg         2.2 ml/kg       2.2 ml/kg         Dimetryl Ether (CAS 115-10-6)       4000000000000000000000000000000000000			> 9.4 ml/kg, 24 Hours
Inflation       5700 ppm, 3 Hours         LC50       Rat       5700 ppm, 3 Hours         132 mg/l, 3 Hours       132 mg/l, 3 Hours         Oral       8800 mg/kg         LD50       Rat       5800 mg/kg         Dimetry LEther (CAS 115-10-6)       22 ml/kg         Inhalation       NOEL       Rat         NOEL       Rat       2 ppm, 6 Hours         Hobernal       Acute       2 ppm, 6 Hours         Domai       2 ppm, 6 Hours       5 ml/kg, 4 Hours         LD50       Rabbit       2 000 mg/kg, 4 Hours         LD50       Rabbit       2 000 mg/kg, 4 Hours         LD50       Rabbit       2 000 mg/kg, 4 Hours         LD50       Rat       3 000 ppm, 24 Hours         LD50       Rat       3 000 ppm, 24 Hours         LD50       Rat       3 186 mg/l         LD50       Rat       3 186 mg/l         LD50       Rat       4 ml/kg         LD50       Rat       4 ml/kg         LD50       Rat       4 ml/kg         LD50       Rat       4 ml/kg         LD50       Rat       2 ml/kg         LD50       Rat       2 ml/kg         LD50       Rat </td <td></td> <td>Rabbit</td> <td>&gt; 7426 mg/kg, 24 Hours</td>		Rabbit	> 7426 mg/kg, 24 Hours
LC50 Rat Compare Series			> 9.4 ml/kg, 24 Hours
Arai       132 mg/l         LD50       Rat         Dimetryl Ether (CAS 115-10-6)       22 ml/kg         Acute       2 pm, 6 Hours         Inhalation       Rat         NOEL       Rat         Acute       2 pm, 6 Hours         Dermal       2 pm, 6 Hours         LD50       Ratbit         Dermal       2 pm, 6 Hours         LD50       Rabbit       2 000 mg/kg 4 Hours         LD50       Rabbit       2 000 mg/kg 4 Hours         LD50       Rabbit       2 000 mg/kg 4 Hours         LD50       Rath       2 000 pm, 24 Hours         LD50       Rath       2 000 pm, 24 Hours         LD50       Rath       2 000 pm, 24 Hours         LD50       Mutarrat       9 g/kg         LD50       Mutarrat       2 000 pm, 24 Hours         LD50       Mutarrat       2 000 pm, 24 Hours         LD50       Mutarrat<	Inhalation		
$\begin{array}{cccc} & & & & & & & & & & & & & & & & & $	LC50	Rat	55700 ppm, 3 Hours
Oral       50.1 mg/l         L50       Rat       50.0 mg/kg         2 m/kg       2 m/kg         Dometry Eter (CAS 115-10-6)          Acute       Amage       Amage         Inhalation       NOEL       Rat         NOEL       Rat       Amage         Acute       Amage       Amage         NOEL       Rat       2 ppm, 6 Hours         Acute       Solon pm/kg, 4 Hours       Solon pm/kg, 4 Hours         L50       Rath       2 solon pm/kg, 4 Hours         L50       Rath       Solon pm/kg, 4 Hours     <			132 mg/l, 3 Hours
Oral LD50         Rat         5800 mg/kg 2.2 m//kg           Dimetry I Ether (CAS 115-10-6)         2.2 m//kg           Dimetry I Ether (CAS 115-10-6)         2 ppm, 6 Hours           Inhalation NOEL         Rat         2 ppm, 6 Hours           Inhalation NOEL         Rat         2 ppm, 6 Hours           Inhalation NOEL         Rat         2 ppm, 6 Hours           Inhalation LC50         Rat         2 000 mg/kg, 4 Hours           LC50         Rat         5 000 ppm, 24 Hours           Inhalation LC50         Rat         5 000 ppm, 24 Hours           ID50         Rat         3 1.86 mg/l           ID50         Rat         24 g/kg           ID50         Rat <td< td=""><td></td><td></td><td></td></td<>			
L50       Raf       5800 mg/kg         2 m/kg       2 m/kg         CAUE       Rature       2 mg/kg         Inhalation       2 mg/kg       2 mg/kg         CAS110-54-3)       Parmai       2 mg/kg         Acute       2 mg/kg       2 mg/kg         Dermai       2 mg/kg       2 mg/kg         L50       Rabbit       2 000 mg/kg       4 mg/kg         L50       Rabbit       2 000 mg/kg       4 mg/kg         L50       Rather       3 mg/kg       3 mg/kg         L50       Mater       4 mg/kg       3 mg/kg         L50       Mater       4 mg/kg       3 mg/kg         L50       Mater       3 mg/kg<	Oral		C C C C C C C C C C C C C C C C C C C
22 m/kg 22 m/k		Rat	5800 mg/kg
Dimethyl Ether (CAS 115-10-6) Acute Inhalation NOEL Rat CAS 110-54-3) Acute Demai LoSo Rabbit - 2000 mg/kg, 4 Hours - 5 ml/kg, 4 Hours - 31.86 mg/l - 31			
Acute instation NOEL       Rate       2 ppm, 6 Hours         NOEL       Rate       2 ppm, 6 Hours         Hexaner (CAS 110-54-3)       2 ppm, 6 Hours         Acute Dermal       - 2000 mg/kg, 4 Hours         Lobo       Rabbit       2 000 mg/kg, 4 Hours         Lobo       Rabbit       - 2000 mg/kg, 4 Hours         Lobo       Rate       - 2000 mg/kg, 4 Hours         Lobo	Dimethyl Ether (CAS 115-10-	6)	5
Inhalation       Reface       2 ppm, 6 Hours         NOEL       Ration       2 ppm, 6 Hours         Hexaer (CAS 110-54-3)       -       -         Hexaer (CAS 110-54-3)       -       -         Bernal       -       -       -         Dermal       -       -       -         Dermal       -       -       -       -         Infaction       -       -       -       -       -         IcS0       Rather and the second		-,	
A-Hexare (CAS 110-54-3)           Acute         -           Dermal         > 2000 mg/kg, 4 Hours           LD50         Rabbit         > 5 ml/kg, 4 Hours           Inhalation         > 5 ml/kg, 4 Hours           LC50         Rat         > 5000 ppm, 24 Hours           LC50         Rat         > 31.86 mg/l           LC50         Rat         > 31.86 mg/l           LC50         Rat         24 g/kg           LD50         Rat         24 g/kg           Vistar rat         49 g/kg           Propane (CAS 74-98-6)         Xeute           Acute         1237 mg/l, 120 Minutes           Inhalation         22 %, 120 Minutes           LC50         Mouse         1237 mg/l, 120 Minutes			
Acute         Jormal           Domana         > 2000 mg/kg, 4 Hours           LD50         Rabit         > 5 m/kg, 4 Hours           LD50         Rather State         > 5000 ppm, 24 Hours           LD50         Rather State         > 31.86 mg/l           LD50         Rather State         > 31.86 mg/l           LD50         Rather State         > 4 m/kg           LD50         Rather State         24 g/kg           LD50         Mouse         1237 mg/l 120 Minutes           LC50         Mouse         1237 mg/l 120 Minutes           LC50         Rather State         26 /l 120 Minutes           LC50         Rather State         27 mg/l 120 Minutes           LC50         Rather State         27 mg/l 120 Minutes	NOEL	Rat	2 ppm, 6 Hours
Acute         Jormal           Domay         > 2000 mg/kg, 4 Hours           LD50         Rabit         > 5 m/kg, 4 Hours           LD50         Rather State         > 5000 ppm, 24 Hours           LD50         Rather State         > 31.86 mg/l           LD50         Rather State         > 31.86 mg/l           LD50         Rather State         > 4 m/kg           LD50         Rather State         24 g/kg           LD50         Mouse         1237 mg/l 120 Minutes           LC50         Mouse         237 mg/l 120 Minutes           LC50         Rather State         27 mg/l 120 Minutes           LC50         Rather State         27 mg/l 120 Minutes	n-Hexane (CAS 110-54-3)		
LD50       Rabbit       > 2000 mg/kg, 4 Hours       > 5 m/kg, 4 Hours         Inhalation       > 5 m/kg, 4 Hours       > 5 m/kg, 4 Hours         LC50       Rat       > 5000 ppm, 24 Hours       > 31.86 mg/l         Inhalation       > 31.86 mg/l       > 31.86 mg/l         Intervention       Intervention       > 31.86 mg/l         Intervention       Rat       24 m/kg         Intervention       24 g/kg          Intervention       Moster rat       49 g/kg         Intervention       Intervention       Intervention         Intervention       Interventintera			
Inhalation       > 5 ml/kg, 4 Hours         LC50       Rat       > 5000 ppm, 24 Hours         > 31.86 mg/l       > 31.86 mg/l         73860 ppm, 4 Hours       73860 ppm, 4 Hours         Dral       24 ml/kg         LD50       Rat       24 g/kg         Wistar rat       24 g/kg         Propane (CAS 74-98-6)       Wistar rat       49 g/kg         LC50       Mouse       1237 mg/l, 120 Minutes         LC50       Mouse       52 %, 120 Minutes         Kat       1355 mg/l       1255 mg/l	Dermal		
Inhalation       > 5000 ppm, 24 Hours         LC50       Rat       > 31.86 mg/l         > 31.86 mg/l       > 31.86 mg/l         Doma       24 m/kg         LD50       Rat       24 m/kg         Maternation       24 g/kg         Propare (CAS 74-98-6)       Waternation         LD50       Mouse       1237 mg/l, 120 Minutes         LC50       Mouse       20 kg (20 minutes)         Ration       1237 mg/l, 120 Minutes         LC50       Rat       1355 mg/l	LD50	Rabbit	> 2000 mg/kg, 4 Hours
LC50 Rat 2500 ppm, 24 Hours 31.86 mg/l 31.86 mg/l 3860 ppm, 4 Hours 7860 ppm, 4 Hour			> 5 ml/kg, 4 Hours
> 31.86 mg/l 73860 ppm, 4 Hours 73860 ppm, 4 Hours 24 ml/kg 24 g/kg Wistar rat Wistar rat 49 g/kg 49 g/kg 49 g/kg 49 g/kg 1237 mg/l, 120 Minutes 52 %, 120 Minutes 52 %, 120 Minutes	Inhalation		
Oral       73860 ppm, 4 Hours         LD50       Rat       24 ml/kg         24 g/kg       24 g/kg         Vopane (CAS 74-98-6)       49 g/kg         Propane (CAS 74-98-6)       49 g/kg         LD50       Mouse       1237 mg/l, 120 Minutes         LC50       Mouse       52 %, 120 Minutes         Rat       1355 mg/l	LC50	Rat	> 5000 ppm, 24 Hours
Oral       24 ml/kg         LD50       Rat       24 g/kg         24 g/kg       24 g/kg         Voral       49 g/kg         Propane (CAS 74-98-6)       49 g/kg         Propane (CAS 74-98-6)       1237 mg/l, 120 Minutes         LD50       Mouse       52 %, 120 Minutes         Rat       Rat       1355 mg/l			> 31.86 mg/l
LD50 Rat 24 m/kg 24 g/kg 24 g/kg 29 g/kg 20 g/			73860 ppm, 4 Hours
24 g/kg 29 g/kg 49 g/kg 49 g/kg 40	Oral		
Wistar rat49 g/kgPropane (CAS 74-98-6)	LD50	Rat	24 ml/kg
Propane (CAS 74-98-6) Acute Inhalation LC50 Mouse Nouse 1237 mg/l, 120 Minutes 52 %, 120 Minutes Rat 1355 mg/l			24 g/kg
Propane (CAS 74-98-6) Acute Inhalation LC50 Mouse Mouse 1237 mg/l, 120 Minutes 52 %, 120 Minutes Rat 1355 mg/l		Wistar rat	49 g/kg
Acute InhalationNouse1237 mg/l, 120 MinutesLC50Mouse52 %, 120 MinutesRat1355 mg/l	Propane (CAS 74-98-6)		
InhalationLC50Mouse1237 mg/l, 120 Minutes52 %, 120 MinutesRat1355 mg/l			
52 %, 120 Minutes Rat 1355 mg/l			
Rat 1355 mg/l	LC50	Mouse	1237 mg/l, 120 Minutes
-			52 %, 120 Minutes
		Rat	
			658 mg/l/4h

\* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Causes serious eye irritation.		
Respiratory or skin sensitization	n		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected to cause skin sensitization.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.		

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Not listed. OSHA Specifically Regulate Not regulated.	Evaluation of Carcinogenicity d Substances (29 CFR 1910.1001-1050) ogram (NTP) Report on Carcinogens
Reproductive toxicity	Suspected of damaging fertility.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Respiratory system. Skin. Central nervous system. Eyes. Peripheral nervous system. May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

## 12. Ecological information

Ecotoxicity

Harmful to aquatic life with long lasting effects.

,,			
Components		Species	Test Results
Acetone (CAS 67-64-2	1)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Dimethyl Ether (CAS 2	115-10-6)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	4.3 - 7.8 mg/l, 48 hours
Fish	LC50	Striped bass (Morone saxatilis)	10.302 - 16.743 mg/l, 96 hours
n-Hexane (CAS 110-5	64-3)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promel	as) 2.101 - 2.981 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

#### **Bioaccumulative potential**

Partition coefficient n-o	ctanol / water (log Kow)
2-Methylpentane	3.74
3-Methylpentane	3.6
Acetone	-0.24
Dimethyl Ether	0.1
n-Hexane	3.9
Propane	2.36
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.		
Local disposal regulations	Dispose in accordance with all applicable regulations.		
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
Waste from residues / unused products	<b>d</b> Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).		
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Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

### 14. Transport information

#### DOT

UN1950
Aerosols, flammable, (each not exceeding 1 L capacity)
2.1
-
2.1
Not applicable.
Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
N82
306
None
None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

#### IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
Packaging Exceptions	LTD QTY
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No.
EmS	F-D, S-U

Special precautions for userRead safety instructions, SDS and emergency procedures before handling. Read safety<br/>instructions, SDS and emergency procedures before handling.Packaging ExceptionsLTD QTYTransport in bulk according to<br/>Annex II of MARPOL 73/78 and<br/>the IBC CodeNot applicable.

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## 15. Regulatory information

US federal regulations	This product is a "Hazardou Standard, 29 CFR 1910.120		ned by the OSHA Hazard Communicati
TSCA Section 12(b) Export	Notification (40 CFR 707, Su	bpt. D)	
Not regulated.			
CERCLA Hazardous Substa	ince List (40 CFR 302.4)		
Acetone (CAS 67-64-1)		Listed.	
n-Hexane (CAS 110-54-3	,	Listed.	
SARA 304 Emergency relea	se notification		
Not regulated.			
	ed Substances (29 CFR 1910	.1001-1050)	
Not regulated.			
Superfund Amendments and Re	authorization Act of 1986 (S	SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No		
SARA 302 Extremely hazar	dous substance		
Not listed.			
SARA 311/312 Hazardous chemical	No		
SARA 313 (TRI reporting)			
Chemical name		CAS number	% by wt.
n-Hexane		110-54-3	10 - 20
Other federal regulations			

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

n-Hexane (CAS 110-54-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Dimethyl Ether (CAS 115-10-6) Propane (CAS 74-98-6)

#### Safe Drinking Water Act Not regulated. (SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and **Chemical Code Number** 

Acetone (CAS 67-64-1)

6532

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	Acetone (CAS 67-64	-1)	35 %WV	
	DEA Exempt Chemical I	,	er	
	Acetone (CAS 67-64	-1)	6532	
US sta	te regulations			
US	6. California Controlled Su	ıbstances. CA Depart	ment of Justice (California Health and	Safety Code Section 11100)
	Not listed.	-		
US (a)		nemicals List. Safer C	Consumer Products Regulations (Cal. (	Code Regs, tit. 22, 69502.3, subd.
	Acetone (CAS 67-64-1) n-Hexane (CAS 110-54-3	,		
US	6. Massachusetts RTK - Si			
	2-Methylpentane (CAS 10 3-Methylpentane (CAS 96 Acetone (CAS 67-64-1) Dimethyl Ether (CAS 115- n-Hexane (CAS 110-54-3 Propane (CAS 74-98-6)	6-14-0) -10-6)		
US	6. New Jersey Worker and	<b>Community Right-to</b>	-Know Act	
	2-Methylpentane (CAS 10 Acetone (CAS 67-64-1) Dimethyl Ether (CAS 115- n-Hexane (CAS 110-54-3 Propane (CAS 74-98-6) <b>5. Pennsylvania Worker ar</b> 2-Methylpentane (CAS 10 3-Methylpentane (CAS 96 Acetone (CAS 67-64-1) Dimethyl Ether (CAS 115- n-Hexane (CAS 110-54-3 Propane (CAS 74-98-6)	-10-6) ) <b>nd Community Right-</b> 07-83-5) 6-14-0) -10-6)	to-Know Law	
Uč	5. Rhode Island RTK Acetone (CAS 67-64-1) Dimethyl Ether (CAS 115- n-Hexane (CAS 110-54-3 Propane (CAS 74-98-6)			
119	6. California Proposition 6	5		
	•		nown to the State of California to cause ca	ancer.
	•		date/Carcinogenic substance	
	Ethyl Benzene (CAS		Listed: June 11, 2004	
Interna	ational Inventories	,		
	ountry(s) or region	Inventory name		On inventory (yes/no)*
	istralia	•	of Chemical Substances (AICS)	No
Ca	inada	Domestic Substance	, , ,	No
	inada	Non-Domestic Subst		No
	ina		Chemical Substances in China (IECSC)	No
	rope		of Existing Commercial Chemical	No

Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
	ents of this product comply with the inventory requirements administered by the governing country(s) components of the product are not listed or exempt from listing on the inventory administered by the govern	ning

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

Issue date	08-22-2014
Revision date	10-26-2016
Version #	09
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Revision information	Product and Company Identification: Alternate Trade Names

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