SAFETY DATA SHEET

1. Identification

Product number	1000014232	
Product identifier	FLEX SEAL CLEAR	
Company information	SWIFT RESPONSE, LLC 2690 WESTON RD. WESTON, FL 33331 United States	
Company phone	General Assistance 1-800-307-6201	
Emergency telephone US	1-800-424-9300	
Emergency telephone outside US	1-703-527-3887	
Version #	01	
Recommended use	ADHESIVE	
Recommended restrictions	None known.	
2. Hazard(s) identification		
Physical hazards	Flammable aerosols	Category 1
Health hazards	Skin corrosion/irritation	Category 2
	Reproductive toxicity (the unborn child)	Category 2
	Specific target organ toxicity, single exposur	e Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. 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 mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
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.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Isobutane		75-28-5	20 - 40
Toluene		108-88-3	20 - 40
Acetone		67-64-1	2.5 - 10
Parachlorobenzotrifluoride (PCBTF)		98-56-6	2.5 - 10
Propane		74-98-6	2.5 - 10
Solvent Naphtha (Petroleum), Light Aliphatic		64742-89-8	2.5 - 10
Mineral Spirits		8052-41-3	0.1 - 1
Other components below reportable leve	ls		10 - 20

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

4. First-aid measures	
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	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of eyes and mucous membranes. Irritation of nose and throat. 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	Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
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. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of wate
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.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hos 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.

6. Accidental release measures

Occupational exposure limits	Level 2 Aerosol. Store locked up. Pressurized conta exceeding 50°C/122 °F. Do not pu flame, heat or other sources of igr cause spark and become an ignitic equipment. These alone may be ir recommended. Store away from in	niner. Protect from sunlight and do not expose to temperatures ncture, incinerate or crush. Do not handle or store near an open nition. This material can accumulate static charge which may on source. Avoid spark promoters. Ground/bond container and nsufficient to remove static electricity. Refrigeration ncompatible materials (see Section 10 of the SDS).
8. Exposure controls/perso	Level 2 Aerosol. Store locked up. Pressurized conta exceeding 50°C/122 °F. Do not pu flame, heat or other sources of igr cause spark and become an ignitic equipment. These alone may be ir recommended. Store away from in	niner. Protect from sunlight and do not expose to temperatures ncture, incinerate or crush. Do not handle or store near an open nition. This material can accumulate static charge which may on source. Avoid spark promoters. Ground/bond container and nsufficient to remove static electricity. Refrigeration
	Level 2 Aerosol. Store locked up. Pressurized conta exceeding 50°C/122 °F. Do not pu flame, heat or other sources of igr cause spark and become an ignitic equipment. These alone may be ir	niner. Protect from sunlight and do not expose to temperatures ncture, incinerate or crush. Do not handle or store near an open nition. This material can accumulate static charge which may on source. Avoid spark promoters. Ground/bond container and nsufficient to remove static electricity. Refrigeration
including any incompatibilities		
Conditions for safe storage,	Code in Canada, (CSA C22.1), or t 2003, "Protection Against Ignition Fire Protection Association (NFPA)	pment bonding and grounding, refer to the Canadian Electrical he American Petroleum Institute (API) Recommended Practice s Arising out of Static, Lightning, and Stray Currents" or National 77, "Recommended Practice on Static Electricity" or National 70, "National Electrical Code".
7. Handling and storage Precautions for safe handling	and understood. Minimize fire risk combustible dust and static accur materials. Handling operations tha limited to: mixing, filtering, pumpi and container filling, tank cleaning Pressurized container: Do not pie or defective. Do not spray on a na while using or until sprayed surfac expose containers to heat, flame, handling the product must be grou vapor. Avoid contact with eyes, sk handled in closed systems, if poss product. Wear appropriate person Observe good industrial hygiene p	
Environmental precautions	Avoid release to the environment. environmental releases. Prevent f	Inform appropriate managerial or supervisory personnel of all urther leakage or spillage if safe to do so. Avoid discharge into ground. Use appropriate containment to avoid environmental
		water. ent material (e.g. cloth, fleece). Clean surface thoroughly to or waste disposal, see section 13 of the SDS.
Methods and materials for containment and cleaning up	smoking, flares, sparks, or flames away from spilled material. Stop lo open area if the leak is irreparable Cover with plastic sheet to preven into containers. Prevent entry into	ets and/or instructions for use. Eliminate all ignition sources (no in immediate area). Keep combustibles (wood, paper, oil, etc.) eak if you can do so without risk. Move the cylinder to a safe and e. Use water spray to reduce vapors or divert vapor cloud drift. t spreading. Absorb in vermiculite, dry sand or earth and place waterways, sewer, basements or confined areas. Following
Personal precautions, protective equipment and emergency procedures	low areas. Remove all possible so protective equipment and clothing damaged containers or spilled ma closed spaces before entering the contamination. Transfer by mecha suitable container for recovery or	v. Keep people away from and upwind of spill/leak. Keep out of urces of ignition in the surrounding area. Wear appropriate g during clean-up. Do not breathe mist or vapor. Do not touch terial unless wearing appropriate protective clothing. Ventilate m. Use appropriate containment to avoid environmental inical means such as vacuum truck to a salvage tank or other safe disposal. Local authorities should be advised if significant personal protection, see section 8 of the SDS.

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Acetone (CAS 67-64-1)	PEL	2400 mg/m3
		1000 ppm
Mineral Spirits (CAS 8052-41-3)	PEL	2900 mg/m3
		500 ppm

Components		nants (29 CFR 1910.100 Type	•	lue
Propane (CAS 74-98-6)		PEL	18	00 mg/m3
			10	00 ppm
US. OSHA Table Z-2 (29 C	FR 1910.1000)			
Components		Туре	Va	lue
Toluene (CAS 108-88-3)		Ceiling		0 ppm
		TWA	20	0 ppm
US. ACGIH Threshold Limi	t Values	_		
Components		Туре	Va	lue
Acetone (CAS 67-64-1)		STEL		0 ppm
		TWA		0 ppm
Isobutane (CAS 75-28-5)		STEL		00 ppm
Mineral Spirits (CAS 8052-41-3)		TWA	10	0 ppm
Toluene (CAS 108-88-3)		TWA	20	ppm
US. NIOSH: Pocket Guide	to Chemical Haza	rds		
Components		Туре	Va	lue
Acetone (CAS 67-64-1)		TWA		0 mg/m3
				0 ppm
Isobutane (CAS 75-28-5)		TWA		00 mg/m3
				0 ppm
Mineral Spirits (CAS 8052-41-3)		Ceiling	18	00 mg/m3
		TWA	35	0 mg/m3
Propane (CAS 74-98-6)		TWA	18	00 mg/m3
				00 ppm
Toluene (CAS 108-88-3)		STEL		0 mg/m3
				0 ppm
		TWA		5 mg/m3
			10	0 ppm
logical limit values ACGIH Biological Exposure	o Indicoc			
Components	Value	Determinant	Specimen	Sampling Time
· · · · · · · · · · · · · · · · · · ·	50 mg/l	Acetone	Urine	*
Acetone (CAS 67-64-1)	50 mg/l 0.3 mg/g	Acetone o-Cresol, with	Urine Creatinine in	
· · · · · · · · · · · · · · · · · · ·	50 mg/l 0.3 mg/g	Acetone o-Cresol, with hydrolysis	Urine Creatinine in urine	
Acetone (CAS 67-64-1)	0.3 mg/g 0.03 mg/l	o-Cresol, with	Creatinine in	
Acetone (CAS 67-64-1)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p	0.3 mg/g 0.03 mg/l 0.02 mg/l	o-Cresol, with hydrolysis Toluene Toluene	Creatinine in urine Urine	*
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3)	0.3 mg/g 0.03 mg/l 0.02 mg/l	o-Cresol, with hydrolysis Toluene Toluene	Creatinine in urine Urine	*
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p	0.3 mg/g 0.03 mg/l 0.02 mg/l please see the sou	o-Cresol, with hydrolysis Toluene Toluene	Creatinine in urine Urine	*
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p posure guidelines US - California OELs: Skin Toluene (CAS 108-88	0.3 mg/g 0.03 mg/l 0.02 mg/l please see the sou designation i-3)	o-Cresol, with hydrolysis Toluene Toluene urce document. Can	Creatinine in urine Urine	* * *
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p oosure guidelines US - California OELs: Skin Toluene (CAS 108-88 US - Minnesota Haz Subs:	0.3 mg/g 0.03 mg/l 0.02 mg/l olease see the sou designation -3) • Skin designation	o-Cresol, with hydrolysis Toluene Toluene urce document. Can	Creatinine in urine Urine Blood	* * *
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p posure guidelines US - California OELs: Skin Toluene (CAS 108-88	0.3 mg/g 0.03 mg/l 0.02 mg/l olease see the sou designation -3) • Skin designation	o-Cresol, with hydrolysis Toluene Toluene urce document. Can applies	Creatinine in urine Urine Blood	* * * ugh the skin.
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p oosure guidelines US - California OELs: Skin Toluene (CAS 108-88 US - Minnesota Haz Subs:	0.3 mg/g 0.03 mg/l 0.02 mg/l olease see the sou designation (-3) Skin designation (-3) Good genera	o-Cresol, with hydrolysis Toluene troluene urce document. Can applies Skin al ventilation (typically 2	Creatinine in urine Urine Blood be absorbed throu designation applio 10 air changes pe	* * ygh the skin. es. r hour) should be used. Ventilation rates
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p oosure guidelines US - California OELs: Skin Toluene (CAS 108-88 US - Minnesota Haz Subs: Toluene (CAS 108-88	0.3 mg/g 0.03 mg/l 0.02 mg/l olease see the sou designation (-3) Skin designation (-3) Good generation should be m	o-Cresol, with hydrolysis Toluene Toluene urce document. Can applies Skin al ventilation (typically 2 batched to conditions. If	Creatinine in urine Urine Blood be absorbed throu designation applio 10 air changes pe applicable, use pr	* * ygh the skin. es. r hour) should be used. Ventilation rates rocess enclosures, local exhaust ventilation
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p posure guidelines US - California OELs: Skin Toluene (CAS 108-88 US - Minnesota Haz Subs: Toluene (CAS 108-88 oropriate engineering	0.3 mg/g 0.03 mg/l 0.02 mg/l olease see the sou designation (-3) Skin designation (-3) Good generation should be more or other eng	o-Cresol, with hydrolysis Toluene Toluene urce document. Can applies Skin al ventilation (typically i patched to conditions. If gineering controls to ma	Creatinine in urine Urine Blood be absorbed throu designation applie 10 air changes pe applicable, use pr intain airborne lev	* * ugh the skin. es. r hour) should be used. Ventilation rates rocess enclosures, local exhaust ventilation vels below recommended exposure limits
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p posure guidelines US - California OELs: Skin Toluene (CAS 108-88 US - Minnesota Haz Subs: Toluene (CAS 108-88 oropriate engineering	0.3 mg/g 0.03 mg/l 0.02 mg/l olease see the sou designation (-3) Skin designation (-3) Good generation should be more other engo exposure lin	o-Cresol, with hydrolysis Toluene Toluene urce document. Can applies Skin al ventilation (typically i patched to conditions. If gineering controls to ma nits have not been estal	Creatinine in urine Urine Blood be absorbed throu designation applie 10 air changes pe applicable, use pr intain airborne lev blished, maintain	* * ygh the skin. es. r hour) should be used. Ventilation rates
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p posure guidelines US - California OELs: Skin Toluene (CAS 108-88 US - Minnesota Haz Subs: Toluene (CAS 108-88 oropriate engineering	0.3 mg/g 0.03 mg/l 0.02 mg/l olease see the sou designation (-3) Skin designation (-3) Good generation should be mor other eng exposure lin wash faciliti	o-Cresol, with hydrolysis Toluene Toluene urce document. Can applies Skin al ventilation (typically 3 hatched to conditions. If gineering controls to ma nits have not been estal es and emergency show	Creatinine in urine Urine Blood be absorbed throu designation applie 10 air changes pe applicable, use pr intain airborne lev blished, maintain ver must be availa	* * * ugh the skin. es. r hour) should be used. Ventilation rates rocess enclosures, local exhaust ventilati vels below recommended exposure limits airborne levels to an acceptable level. Ey
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3) * - For sampling details, p posure guidelines US - California OELs: Skin Toluene (CAS 108-88- US - Minnesota Haz Subs: Toluene (CAS 108-88- Toluene (CAS	0.3 mg/g 0.03 mg/l 0.02 mg/l olease see the sou designation (-3) Skin designation (-3) Good generation should be more or other english wash facilities, such as person	o-Cresol, with hydrolysis Toluene Toluene urce document. Can applies Skin al ventilation (typically 3 hatched to conditions. If gineering controls to ma nits have not been estal es and emergency show	Creatinine in urine Urine Blood be absorbed throu designation applie 10 air changes pe applicable, use pr intain airborne lev blished, maintain ver must be availa	* * ugh the skin. es. r hour) should be used. Ventilation rates rocess enclosures, local exhaust ventilati /els below recommended exposure limits airborne levels to an acceptable level. Ey ble when handling this produc

Skin protection	
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Skin protection	
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminant

9. Physical and chemical properties

or ringolear and chemical	properties
Appearance	
Physical state	Liquid.
Form	Aerosol.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	-156.0 °F (-104.4 °C) PROPELLANT estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or ex	
Flammability limit - lower (%)	1.2 % estimated
Flammability limit - upper (%)	8 % 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 Specific gravity	0.684 estimated
10. Stability and reactivit	y
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	Acids. Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
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	Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. Irritation of eyes and mucous membranes. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	Narcotic effects.	
Components	Species	Test Results
Acetone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Guinea pig	> 7426 mg/kg, 24 Hours
		> 9.4 ml/kg, 24 Hours
	Rabbit	> 7426 mg/kg, 24 Hours
		> 9.4 ml/kg, 24 Hours
I NHALATION		
LC50	Rat	55700 ppm, 3 Hours
		132 mg/l, 3 Hours
		50.1 mg/l
ORAL		
LD50	Rat	5800 mg/kg
		2.2 ml/kg
sobutane (CAS 75-28-5)		
Acute		
I NHALATION		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
	Rat	1355 mg/l
Propane (CAS 74-98-6)		
Acute		
I NHALATION		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
	Rat	1355 mg/l
		658 mg/l/4h
Solvent Naphtha (Petroleui	m), Light Aliphatic (CAS 64742-89-8)	
Acute		
DERMAL		
LD50	Rabbit	> 1900 mg/kg, 24 Hours
I <i>NHALATIO</i> N		
LC50	Rat	> 5020 mg/m3, 4 Hours
		> 4980 mg/m3
		> 4980 mg/m3, 4 Hours
		> 4.96 mg/l, 4 Hours

Components	Species		Test Results
<i>OR1</i> LD50	Rat		1820 malka
	Kal		4820 mg/kg
Foluene (CAS 108-88-3) Acute			
DERMAL			
LD50	Rabbit		> 5000 mg/kg, 24 Hours
INHALATION			
LC50	Mouse		6405 - 7436 ppm, 6 Hours
			5320 ppm, 8 Hours
	Rat		5879 - 6281 ppm, 6 Hours
			12.5 - 28.8 mg/l, 4 Hours
Oral			
LD50	Rat		5000 mg/kg
* Ectimatos for product ma	y ha bacad an i	additional component data not shown	
Skin corrosion/irritation	causes skir	additional component data not shown.	
Serious eye damage/eye		act with eyes may cause temporary irri	tation
irritation		ace with cycs muy cause temporary inf	
Respiratory or skin sensitization	ı		
Respiratory sensitization	Not availab	le.	
Skin sensitization	This produc	t is not expected to cause skin sensitiz	ation.
Germ cell mutagenicity		ailable to indicate product or any comp or genotoxic.	onents present at greater than 0.1% are
Carcinogenicity	This produc	t is not considered to be a carcinogen l	by IARC ACGIH NTP or OSHA
IARC Monographs. Overall E	Evaluation of Ca	arcinogenicity	
	Evaluation of Ca	arcinogenicity 3 Not classifiable as	s to carcinogenicity to humans.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed.	Evaluation of Ca 3) d Substances (2	arcinogenicity 3 Not classifiable as	
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity -	Evaluation of Ca 3) d Substances (2 Suspected of	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050)	
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity -	Evaluation of Ca) d Substances (2 Suspected of May cause	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child.	s to carcinogenicity to humans.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	Evaluation of Ca) d Substances (2 Suspected of May cause	3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o	s to carcinogenicity to humans.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard	Evaluation of Ca d Substances (2 Suspected 6 May cause May cause Not availab	3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o	s to carcinogenicity to humans. r repeated exposure.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele.	s to carcinogenicity to humans. r repeated exposure.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause	3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o	s to carcinogenicity to humans. r repeated exposure.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o uatic life with long lasting effects.	s to carcinogenicity to humans. r repeated exposure. r repeated exposure.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity Components	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause	3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o	s to carcinogenicity to humans. r repeated exposure.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o uatic life with long lasting effects.	s to carcinogenicity to humans. r repeated exposure. r repeated exposure.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity <u>Components</u> Acetone (CAS 67-64-1)	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o uatic life with long lasting effects.	s to carcinogenicity to humans. r repeated exposure. r repeated exposure.
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity Components Acetone (CAS 67-64-1) Aquatic	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause Toxic to aq	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o uatic life with long lasting effects. Species	s to carcinogenicity to humans. r repeated exposure. r repeated exposure. Test Results
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IARC Monographs. Overall B Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity Components Acetone (CAS 67-64-1) Aquatic Crustacea Fish	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause Toxic to aq EC50 LC50	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o uatic life with long lasting effects. Species Water flea (Daphnia magna) Rainbow trout,donaldson trout (Oncorhynchus mykiss)	s to carcinogenicity to humans. r repeated exposure. r repeated exposure. Test Results 21.6 - 23.9 mg/l, 48 hours
IARC Monographs. Overall B Toluene (CAS 108-88-3 OSHA Specifically Regulated Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity Components Acetone (CAS 67-64-1) Aquatic Crustacea Fish Parachlorobenzotrifluoride (Aquatic Crustacea	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause Toxic to aq EC50 LC50 (PCBTF) (CAS 9	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o uatic life with long lasting effects. Species Water flea (Daphnia magna) Rainbow trout,donaldson trout (Oncorhynchus mykiss) 8-56-6)	s to carcinogenicity to humans. r repeated exposure. r repeated exposure. Test Results 21.6 - 23.9 mg/l, 48 hours 4740 - 6330 mg/l, 96 hours
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity Components Acetone (CAS 67-64-1) Aquatic Crustacea Fish Parachlorobenzotrifluoride (Aquatic Crustacea Toluene (CAS 108-88-3)	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause Toxic to aq EC50 LC50 (PCBTF) (CAS 9	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o uatic life with long lasting effects. Species Water flea (Daphnia magna) Rainbow trout,donaldson trout (Oncorhynchus mykiss) 8-56-6)	s to carcinogenicity to humans. r repeated exposure. r repeated exposure. Test Results 21.6 - 23.9 mg/l, 48 hours 4740 - 6330 mg/l, 96 hours
IARC Monographs. Overall E Toluene (CAS 108-88-3 OSHA Specifically Regulated Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological information Ecotoxicity Components Acetone (CAS 67-64-1) Aquatic Crustacea Fish Parachlorobenzotrifluoride (Aquatic Crustacea	Evaluation of Ca d Substances (2 Suspected of May cause May cause Not availab May cause Toxic to aq EC50 LC50 (PCBTF) (CAS 9	arcinogenicity 3 Not classifiable as 29 CFR 1910.1001-1050) of damaging the unborn child. drowsiness and dizziness. damage to organs through prolonged o ele. damage to organs through prolonged o uatic life with long lasting effects. Species Water flea (Daphnia magna) Rainbow trout,donaldson trout (Oncorhynchus mykiss) 8-56-6)	s to carcinogenicity to humans. r repeated exposure. r repeated exposure. Test Results 21.6 - 23.9 mg/l, 48 hours 4740 - 6330 mg/l, 96 hours

Components	S	pecies	Test Results	
	W	/ater flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours	
Fish		oho salmon,silver salmon Dncorhynchus kisutch)	8.11 mg/l, 96 hours	
* Estimates for product may	be based on additi	onal component data not sho	own.	
ersistence and degradability	No data is availa	ble on the degradability of th	nis product.	
oaccumulative potential	No data available	е.		
Partition coefficient n-octano	l / water (log Kow)			
Acetone	.,	-0.24		
Isobutane		2.76		
Mineral Spirits	3.16 - 7.15			
Propane	2.36			
Toluene		2.73		
obility in soil	No data available.			
ther 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.			
3. Disposal considerations	5			
isposal 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.			
ocal disposal regulations	•	Dispose in accordance with all applicable regulations.		
azardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste			
	disposal compan		· · · · · · · · · · · · · · · · · · ·	
US RCRA Hazardous Waste U	List: Reference			
Acetone (CAS 67-64-1) Toluene (CAS 108-88-3)		U002 U220		
Vaste from residues / unused roducts	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).			
Contaminated packaging	Since emptied co		oved waste handling site for recycling or disposal. residue, follow label warnings even after containe	
4. Transport information				
OT				
UN number	UN1950			
UN proper shipping name Transport hazard class(es)		able, (each not exceeding 1 l	_ capacity)	
Class	2.1			
Subsidiary risk	-			
Label(s)	2.1			
Packing group	Not applicable.			
Special precautions for user	Read safety instr	ructions, SDS and emergency and emergency procedures	r procedures before handling. Read safety before handling.	
Special provisions	N82			
Packaging exceptions	306			
Packaging non bulk	None			
Packaging bulk	None			
Until 12/31/2020, the "Consu	mer Commodity - (ORM-D" marking may still be	ted quantity and may be shipped as a limited quanused in place of the new limited quantity diamond quantity diamond mark on cartons after 12/31/2	

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	Yes
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.
Cargo aircraft only	Allowed.
Packaging Exceptions	LTD QTY
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	None
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	Yes
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

DOT FLAMMABLE GAS 2 IATA; IMDG

Marine pollutant

General information	DOT Regulated Marine Pollu	ıtant. IMDG Regula	ted Marine Pollutant.	
15. Regulatory information				
US federal regulations	This product is a "Hazardou Standard, 29 CFR 1910.120 All components are on the	0.	ined by the OSHA Hazard Communter List.	unication
TSCA Section 12(b) Export N	otification (40 CFR 707, Subpl			
-	de (PCBTF) (CAS 98-56-6)		e Export Notification only.	
Acetone (CAS 67-64-1)		Listed.		
Toluene (CAS 108-88-3) SARA 304 Emergency release	e notification	Listed.		
Not regulated. OSHA Specifically Regulated	Substances (29 CFR 1910.10	01-1050)		
Not listed.				
Superfund Amendments and Rea		A)		
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - Yes			
	Reactivity Hazard - No			
SARA 302 Extremely hazardo	ous substance			
Not listed.				
SARA 311/312 Hazardous chemical	No			
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
Toluene		108-88-3	20 - 40	
Other federal regulations				
	.12 Hazardous Air Pollutants (HAPs) List		
Toluene (CAS 108-88-3) Clean Air Act (CAA) Section 1	.12(r) Accidental Release Prev	vention (40 CFR 68.	130)	
lsobutane (CAS 75-28-5) Propane (CAS 74-98-6)		·		
Safe Drinking Water Act (SDWA)	Not regulated.			
Chemical Code Number		tial Chemicals (21 (CFR 1310.02(b) and 1310.04(f)(2) and
Acetone (CAS 67-64 Toluene (CAS 108-8		6532 6594		
	o-5) nistration (DEA). List 1 & 2 Ex		tures (21 CFR 1310.12(c))	
Acetone (CAS 67-64		35 %WV		
Toluene (CAS 108-8		35 %WV		
DEA Exempt Chemical M		6522		
Acetone (CAS 67-64 Toluene (CAS 108-8		6532 594		

US state regulations

US. Massachusetts RTK - Substance List

Acetone (CAS 67-64-1) Isobutane (CAS 75-28-5) Mineral Spirits (CAS 8052-41-3) Propane (CAS 74-98-6) Toluene (CAS 108-88-3)

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

Acetone (CAS 67-64-1) Isobutane (CAS 75-28-5) Mineral Spirits (CAS 8052-41-3) Propane (CAS 74-98-6) Toluene (CAS 108-88-3)

US. Pennsylvania Worker and Community Right-to-Know Law

Acetone (CAS 67-64-1) Isobutane (CAS 75-28-5) Mineral Spirits (CAS 8052-41-3) Propane (CAS 74-98-6) Toluene (CAS 108-88-3)

US. Rhode Island RTK

Acetone (CAS 67-64-1) Isobutane (CAS 75-28-5) Propane (CAS 74-98-6) Toluene (CAS 108-88-3)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Toluene (CAS 108-88-3) Listed: January 1, 1991 US - California Proposition 65 - CRT: Listed date/Female reproductive toxin Toluene (CAS 108-88-3) Listed: August 7, 2009

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	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)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the gover country(s).

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

Issue date	09-24-2015
Version #	01
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.