SAFETY DATA SHEET

1. Identification

Product identifier	2,3,7,8-Tetrachlorodibenzo	o-p-dioxin Solutio	n
Other means of identification			
Item	S-10607U10		
Recommended use	For Laboratory Use Only		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name	Chem Service, Inc.		
Address	660 Tower Lane		
	West Chester, PA 19380 United States		
Telephone	Toll Free	800-452-9994	
	Direct	610-692-3026	
Website	www.chemservice.com		
E-mail	info@chemservice.com		
Emergency phone number	Chemtrec US	800-424-9300	,
	Chemtrec outside US	+1 703-527-3887	
2. Hazard(s) identification			
Physical hazards	Flammable liquids		Category 2
Health hazards	Acute toxicity, oral		Category 4
	Acute toxicity, inhalation		Category 4
	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irr	itation	Category 2A
	Reproductive toxicity		Category 1A
	Specific target organ toxicity	/, single exposure	Category 3 narcotic effects
	Specific target organ toxicity exposure	/, repeated	Category 2
	Aspiration hazard		Category 1
Environmental hazards	Hazardous to the aquatic er hazard	nvironment, acute	Category 1
	Hazardous to the aquatic er long-term hazard	nvironment,	Category 1
OSHA defined hazards	Not classified.		
Label elements			
	A A	A	



Signal word Hazard statement

Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or dizziness. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

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. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
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	%
Toluene		108-88-3	99.999
2,3,7,8-Tetrachlorodibenzo-p-dio	xin	1746-01-6	0.001

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a poison center or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. 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 or 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. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. 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. Wash contaminated clothing before reuse.
5. Fire-fighting measures	

Suitable extinguishing mediaWater fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may
be used for small fires only.Unsuitable extinguishingDo not use water jet as an extinguisher, as this will spread the fire.

media

Do not use water jet as an extinguisher, as this will spread the

Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. 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 water. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.
6. Accidental release meas	sures
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other

	spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep
containment and cleaning up	combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures
• ·	against static discharge. Use only non-sparking tools. This material is classified as a water
	pollutant under the Clean Water Act and should be prevented from contaminating soil or from
	entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

suitable container for recovery or safe disposal. Local authorities should be advised if significant

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. 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. Use appropriate containment to avoid environmental contamination.

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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapors. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-2 (29 CFR 191) Components	Туре	Value	
Toluene (CAS 108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	
US. ACGIH Threshold Limit Value	9S		
Components	Туре	Value	
•			
Toluene (CAS 108-88-3)	TWA	20 ppm	
•		20 ppm	
Toluene (CAS 108-88-3)		20 ppm Value	
Toluene (CAS 108-88-3) US. NIOSH: Pocket Guide to Cher	mical Hazards		
Toluene (CAS 108-88-3) US. NIOSH: Pocket Guide to Cher Components	mical Hazards Type	Value	
Toluene (CAS 108-88-3) US. NIOSH: Pocket Guide to Cher Components	mical Hazards Type	Value 560 mg/m3	

Biological limit values

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Toluene (CAS 108-88-3)	Skin designation applies.
Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.
Individual protection measures,	such as personal protective equipment
Eye/face protection	Chemical respirator with organic vapor cartridge and full facepiece.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Observe any medical surveillance requirements. When using do not smoke. Keep away from food and drink. 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 contaminants.

9. Physical and chemical properties

o. i nysicai ana chenneai p	
Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-138.82 °F (-94.9 °C) estimated
Initial boiling point and boiling range	231.08 °F (110.6 °C) estimated
Flash point	40.0 °F (4.4 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	losive limits
Explosive limit - lower (%)	1.27 % estimated
Explosive limit - upper (%)	7 % estimated
Vapor pressure	37.86 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	896 °F (480 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.8635 g/cm3 estimated
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Oxidizing properties	Not oxidizing.
Percent volatile	99 % estimated
Specific gravity	0.86 estimated
VOC	100 % estimated 99 % estimated
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
	Material is stable under normal conditions

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 heat, sparks, open flames and other ignition sources. 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	Harmful if inhaled. May cause drowsiness or dizziness. Headache. Nausea, vomiting.
Skin contact	Causes skin irritation.

Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed. 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 or 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 ef	fects
A quite texicity	New be fatal if awallowed and entare airwaya. Harmful if inhalad

Acute toxicity	May be fatal if swallowed and enters airways. Harmful if inhaled.			
Components	Species Test Results			
2,3,7,8-Tetrachlorodibenzo-p-diox	in (CAS 1746-01-6)			
<u>Acute</u>				
Dermal				
LD50	Rabbit 0.275 mg/kg			
Oral	_			
LD50	Dog	0.1 - 0.2 mg/kg		
	Hamster	1.157 - 5.051 mg/kg		
	Rat	0.022 mg/kg		
Skin corrosion/irritation	Causes skin irritation.			
Serious eye damage/eye irritation	Causes serious eye irritation.			
Respiratory or skin sensitizatio	n			
Respiratory sensitization	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	Not classifiable as to carcinogenicity to humans.			
IARC Monographs. Overall	Evaluation of Carcinogenicity	,		
Toluene (CAS 108-88-3)	zo-p-dioxin (CAS 1746-01-6) ed Substances (29 CFR 1910.1	1 Carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans. 1001-1053)		
US. National Toxicology Pr	ogram (NTP) Report on Carcir	nogens		
2,3,7,8-Tetrachlorodiben	zo-p-dioxin (CAS 1746-01-6)	Known To Be Human Carcinogen.		
Reproductive toxicity	May damage fertility or 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	l enters airways.		
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.			
12 Ecological information				

12. Ecological information

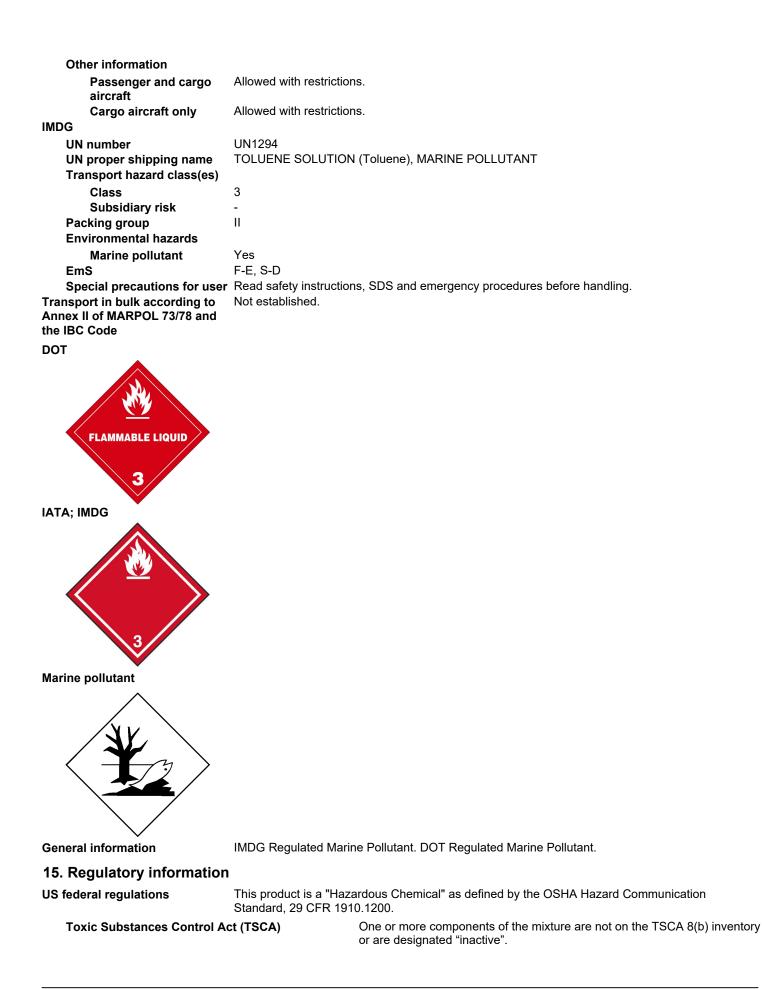
Ecotoxicity Very toxic to aquatic life with long lasting effects.				
Components		Species	Test Results	
2,3,7,8-Tetrachlorodik	enzo-p-dioxin (CAS	S 1746-01-6)		
Aquatic				
Acute				
Fish	LC50	Medaka, high-eyes (Oryzias latipes)	0 mg/l	

Components		Species	Test Results	
Toluene (CAS 108-88-3)				
Aquatic				
Acute				
Crustacea	EC50	Water flea (Daphnia magna)	>= 5.46 - <= 9.83 mg/l, 48 hours	
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours	
Persistence and degradability	No data is	available on the degradability of any ing	gredients in the mixture.	
Bioaccumulative potential				
Partition coefficient n-octa 2,3,7,8-Tetrachlorodibenzo-p Toluene		og Kow) 6.8 2.73		
Mobility in soil	No data a	vailable.		
Other adverse effects	The produ potential.	The product contains volatile organic compounds which have a photochemical ozone creation potential.		
13. Disposal consideration	ons			
Disposal instructions	the materi containers ponds, wa considered	al under controlled conditions in an appr b. Do not allow this material to drain into terways or ditches with chemical or used	dous or special waste collection point. Incinerate oved incinerator. Do not incinerate sealed sewers/water supplies. Do not contaminate d container. If discarded, this product is se of contents/container in accordance with	
Local disposal regulations	Dispose ir	accordance with all applicable regulation	ons.	
Hazardous waste code			it <140 F between the user, the producer and the waste	
Waste from residues / unused products	product re	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 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.			
14. Transport information	ı			
рот				
UN number	UN1294			
UN proper shipping name Transport hazard class(es)	Toluene, s	olution (Toluene RQ = 1000 LBS), MAR	INE POLLUTANT	
Class	3			
Subsidiary risk	-			
Label(s) Packing group	3 			
Environmental hazards				
Marine pollutant	Yes			
	er Read safe	ty instructions, SDS and emergency pro	cedures before handling.	
Special provisions	IB2, T4, T	P1		
Packaging exceptions	150			
Packaging non bulk Packaging bulk	202 242			
IATA	212			
UN number	UN1294			
UN proper shipping name Transport hazard class(es)		olution (Toluene)		
Class	3			
Subsidiary risk	-			
Packing group Environmental hazards	ll Yes			
Environmental nazards	res			

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

3L

ERG Code



	port Notification (40 CFR 707.	Subpt, D)		
TSCA Section 12(b) Export Notification (40 CFR 707, 5 2,3,7,8-Tetrachlorodibenzo-p-dioxin (CAS 1746-01-6)			xport Notification required.	
CERCLA Hazardous Substa	ince List (40 CFR 302.4)			
2,3,7,8-Tetrachlorodibenzo-p-dioxin (CAS 1746-01-6) Toluene (CAS 108-88-3)		Listed. Listed.		
SARA 304 Emergency relea	se notification			
Not regulated. OSHA Specifically Regulate	ed Substances (29 CFR 1910.1	001-1053)		
Not listed.				
Superfund Amendments and Re	authorization Act of 1986 (SA	ARA)		
SARA 302 Extremely hazaro Not listed.	dous substance			
SARA 311/312 Hazardous chemical	Yes			
Classified hazard categories	Flammable (gases, aerosols, Acute toxicity (any route of ex Skin corrosion or irritation Serious eye damage or eye in Reproductive toxicity Specific target organ toxicity Aspiration hazard Hazard not otherwise classifier	kposure) rritation (single or repeated	d exposure)	
SARA 313 (TRI reporting)				
Chemical name		S number	% by wt.	
Toluene	10	8-88-3	99.999	
Other federal regulations				
2,3,7,8-Tetrachlorodiben Toluene (CAS 108-88-3)	n 112 Hazardous Air Pollutant zo-p-dioxin (CAS 1746-01-6) n 112(r) Accidental Release Pi		R 68.130)	
Not regulated.				
· · · · · · · · · ·				
Safe Drinking Water Act (SDWA)	Contains component(s) regul		-	
(SDWA)	inistration (DEA). List 2, Esse		-	310.04(f)(2) and
(SDWA) Drug Enforcement Adm Chemical Code Number Toluene (CAS 108-8	ninistration (DEA). List 2, Esse r 8-3)	ential Chemicals (6594	(21 CFR 1310.02(b) and 1	
(SDWA) Drug Enforcement Adm Chemical Code Number Toluene (CAS 108-8 Drug Enforcement Adm Toluene (CAS 108-8	ninistration (DEA). List 2, Esse r ¹⁸⁻³⁾ ninistration (DEA). List 1 & 2 E ¹⁸⁻³⁾	ential Chemicals (6594	(21 CFR 1310.02(b) and 1	
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(SDWA) Drug Enforcement Adm Chemical Code Number Toluene (CAS 108-8 Drug Enforcement Adm Toluene (CAS 108-8 DEA Exempt Chemical	ninistration (DEA). List 2, Esse r ⁽⁸⁻³⁾ ninistration (DEA). List 1 & 2 E ⁽⁸⁻³⁾ Mixtures Code Number	ential Chemicals (6594 Exempt Chemical 35 %WV	(21 CFR 1310.02(b) and 1	
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(SDWA) Drug Enforcement Adm Chemical Code Number Toluene (CAS 108-8 Drug Enforcement Adm Toluene (CAS 108-8 DEA Exempt Chemical Toluene (CAS 108-8 US state regulations US. California. Candidate C (a)) 2,3,7,8-Tetrachlorodibenz	ninistration (DEA). List 2, Esse r 	ential Chemicals (6594 Exempt Chemical 35 %WV 594	(21 CFR 1310.02(b) and 1 Mixtures (21 CFR 1310.1	2(c))
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International Inventories

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

*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 governing country(s).

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

Issue date	07-30-2014
Revision date	08-02-2022
Version #	03
NFPA ratings	Health: 2 Flammability: 3 Instability: 0
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