GHEMSERVICE

SAFETY DATA SHEET

1. Identification

Product identifier	Benzyl thiocyanate Solution		
Other means of identification			
ltem	S-11188U1		
Recommended use	For Laboratory Use Only		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name Address	Chem Service, Inc. 660 Tower Lane West Chester, PA 19380 United States		
Telephone	Toll Free	800-452-9994	
	Direct	610-692-3026	6
Website E-mail	www.chemservice.com info@chemservice.com		
Emergency phone number	Chemtrec US	800-424-9300)
	Chemtrec outside US	+1 703-527-3	
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 irritat	ion	Category 2A
	Reproductive toxicity		Category 2
	Specific target organ toxicity, s	ingle exposure	Category 3 narcotic effects
	Specific target organ toxicity, re exposure	epeated	Category 2
Environmental hazards	Hazardous to the aquatic envir hazard	onment, acute	Category 2
	Hazardous to the aquatic envir long-term hazard	onment,	Category 2
OSHA defined hazards	Not classified.		

Label elements

Signal word **Hazard statement**

Danger Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. 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 or vapor. 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 eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Call a poison center/doctor if you feel unwell. 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. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash 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 - 100
Benzyl thiocyanate		3012-37-1	0.01

*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. 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	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	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. 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 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	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 measures

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 or vapor. 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 suitable container for recovery or safe disposal. 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	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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. Cover with plastic sheet to prevent spreading. 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.
	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. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. 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 or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. 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".
Conditions for safe storage, including any incompatibilities	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 original 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

Components		Туре	v	/alue	
Toluene (CAS 108-88-3)		Ceiling	3	00 ppm	
		TWA	2	00 ppm	
US. ACGIH Threshold Li	mit Values				
Components		Туре	v	/alue	
Toluene (CAS 108-88-3)		TWA	2	0 ppm	
US. NIOSH: Pocket Guid	e to Chemical Ha	zards			
Components		Туре	V	/alue	
Toluene (CAS 108-88-3)		STEL	5	60 mg/m3	
			1	50 ppm	
		TWA	3	75 mg/m3	
		TWA		75 mg/m3 00 ppm	
ogical limit values ACGIH Biological Expos	ure Indices	TWA		0	
ogical limit values ACGIH Biological Expos Components	ure Indices Value	TWA Determin	1	0	
ACGIH Biological Expos		Determin o-Cresol,	ant Specimen with Creatinine in	00 ppm Sampling Time	
ACGIH Biological Expos Components	Value	Determin	ant Specimen with Creatinine in	00 ppm Sampling Time	
ACGIH Biological Expos Components	Value 0.3 mg/g	Determin o-Cresol, hydrolysis	ant Specimen with Creatinine in urine	00 ppm Sampling Time	
ACGIH Biological Expos Components Toluene (CAS 108-88-3)	Value 0.3 mg/g 0.03 mg/l 0.02 mg/l	Determin o-Cresol, hydrolysis Toluene Toluene	ant Specimen with Creatinine in urine Urine	00 ppm Sampling Time	
ACGIH Biological Expos Components Toluene (CAS 108-88-3) * - For sampling details, pl	Value 0.3 mg/g 0.03 mg/l 0.02 mg/l	Determin o-Cresol, hydrolysis Toluene Toluene	ant Specimen with Creatinine in urine Urine	00 ppm Sampling Time	
ACGIH Biological Expos Components Toluene (CAS 108-88-3)	Value 0.3 mg/g 0.03 mg/l 0.02 mg/l ease see the sourc	Determin o-Cresol, hydrolysis Toluene Toluene	ant Specimen with Creatinine in urine Urine	00 ppm Sampling Time	
ACGIH Biological Expos Components Toluene (CAS 108-88-3) * - For sampling details, pl osure guidelines US - California OELs: Sk	Value 0.3 mg/g 0.03 mg/l 0.02 mg/l ease see the sourc in designation	Determin o-Cresol, hydrolysis Toluene Toluene	ant Specimen with Creatinine in urine Urine Blood	00 ppm Sampling Time	
ACGIH Biological Expos Components Toluene (CAS 108-88-3) * - For sampling details, pl osure guidelines	Value 0.3 mg/g 0.03 mg/l 0.02 mg/l ease see the source in designation (-3)	Determin o-Cresol, hydrolysis Toluene Toluene ce document.	ant Specimen with Creatinine in urine Urine	00 ppm Sampling Time	

Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) 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. Eye wash facilities and emergency shower must be available when handling this product.
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. Suitable gloves can be recommended by the glove supplier.
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	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

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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 exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
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	99.99 % estimated
Specific gravity	0.86 estimated
VOC (Weight %)	99.99 % 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 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
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Inhalation	Harmful if inhaled. 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	Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Headache. May cause drowsiness and dizziness. 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	Harmful if inhaled. Harmful if swallowed. Narcotic effects.		
Components	Species	Test Results	
oluene (CAS 108-88-3)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 5000 mg/kg	
		14.1 ml/kg	
Inhalation			
LC50	Mouse	6405 - 7436 ppm, 6 Hours	
		5320 ppm, 8 Hours	
		400 ppm, 24 Hours	
	Rat	26700 ppm, 1 Hours	
		12200 ppm, 2 Hours	
		8000 ppm, 4 Hours	
		5879 - 6281 ppm, 6 Hours	
		12.5 - 28.8 mg/l, 4 Hours	
Oral			
LD50	Rat	2.6 g/kg	
Other			
LD50	Mouse	59 mg/kg	
	Rat	1332 mg/kg	

* 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	1		
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	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.		
IARC Monographs. Overall Evaluation of Carcinogenicity			
Toluene (CAS 108-88-3) US. OSHA Specifically Regu	3 Not classifiable as to carcinogenicity to humans. Ilated Substances (29 CFR 1910.1001-1050)		
Not listed.			
Reproductive toxicity	Suspected of damaging fertility or the unborn child.		
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.		

12. Ecological information

otoxicity	Toxic to a	equatic life with long lasting effects.	
Components		Species	Test Results
Toluene (CAS 108-88-3)			
Aquatic			
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

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

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)				
Toluene	2.73			
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. 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	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

DOT

UN number	UN1294
UN proper shipping name	Toluene, solution (Toluene RQ = 1000 LBS)

Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	11
Environmental hazards	
Marine pollutant	Yes
•	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T4, TP1
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
IATA	
UN number	UN1294
UN proper shipping name	Toluene solution (Toluene)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	-
Environmental hazards	Yes
ERG Code	3L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	Thead salety instructions, SDS and emergency procedures before handling.
	Allowed.
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
IMDG	Allowed.
UN number	UN1294
	TOLUENE SOLUTION (Toluene)
UN proper shipping name Transport hazard class(es)	TOLOLINE SOLUTION (TOILIER)
	0
Class	3
Subsidiary risk	-
Packing group Environmental hazards	11
	Mar
Marine pollutant	Yes
EmS	F-E, S-D
	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and the IBC Code	
DOT	



IATA; IMDG



Marine pollutant



IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

Listed.

15. Regulatory information

-	-	
US federal	regulations	

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Toluene (CAS 108-88-3)

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Hazard categories

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes **Delayed Hazard - Yes** Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Toluene	108-88-3	99 - 100

Other federal regulations

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

Toluene (CAS 108-88-3)

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

Not regulated.

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** 6594

Toluene (CAS 108-88-3)

DEA Exempt Unemic	8-88-3) al Mixtures Code Number	35 %WV	
•		594	
Toluene (CAS 10	5-68-3)	594	
state regulations			
Toluene (CAS 108-88	ubstances: Listed substance		
		ustice (California Health and Safety	Code Section 11100)
Not listed.			,,
US. California. Candidate	Chemicals List. Safer Consumer	Products Regulations (Cal. Code F	Regs, tit. 22, 69502.3, subd.
(a))			
Toluene (CAS 108-88	•		
US. Massachusetts RTK			
Toluene (CAS 108-88	-o) and Community Right-to-Know Ac	t	
Toluene (CAS 108-88		-	
US. Pennsylvania RTK -			
Toluene (CAS 108-88	-3)		
US. Pennsylvania Worke	r and Community Right-to-Know I	_aw	
Toluene (CAS 108-88	-3)		
US. Rhode Island RTK	0)		
Toluene (CAS 108-88			
•		e State of California to cause birth def	ects or other reproductive
harm.			
-	osition 65 - CRT: Listed date/Deve	lopmental toxin	
US - California Prope Toluene (CAS 10	8-88-3)	Listed: January 1, 1991	
US - California Propo Toluene (CAS 10 US - California Propo	8-88-3) osition 65 - CRT: Listed date/Fema	Listed: January 1, 1991 Ile reproductive toxin	
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10	8-88-3) osition 65 - CRT: Listed date/Fema	Listed: January 1, 1991	
US - California Propo Toluene (CAS 10 US - California Propo	8-88-3) osition 65 - CRT: Listed date/Fema	Listed: January 1, 1991 Ile reproductive toxin	
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 ernational Inventories Country(s) or region	8-88-3) osition 65 - CRT: Listed date/Fema 8-88-3) Inventory name	Listed: January 1, 1991 Ile reproductive toxin Listed: August 7, 2009	On inventory (yes/no)
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 ernational Inventories Country(s) or region Australia	8-88-3) osition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS)	
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 ernational Inventories Country(s) or region Australia Canada	8-88-3) osition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List (DS	Listed: January 1, 1991 Ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L)	No
US - California Proper Toluene (CAS 10 US - California Proper Toluene (CAS 10 roluene (CAS 10 rmational Inventories Country(s) or region Australia Canada Canada	8-88-3) osition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List (DS Non-Domestic Substances List	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L) (NDSL)	No Yes
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 ernational Inventories Country(s) or region Australia Canada	8-88-3) osition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List Inventory of Existing Chemical	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L) (NDSL) Substances in China (IECSC)	Ne Ye
US - California Proper Toluene (CAS 10 US - California Proper Toluene (CAS 10 roluene (CAS 10 rmational Inventories Country(s) or region Australia Canada Canada	8-88-3) osition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List (DS Non-Domestic Substances List	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L) (NDSL) Substances in China (IECSC)	On inventory (yes/no) No No Yes Yes
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 ernational Inventories Country(s) or region Australia Canada Canada China	8-88-3) osition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List (DS Non-Domestic Substances List Inventory of Existing Chemical European Inventory of Existing	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L) (NDSL) Substances in China (IECSC) Commercial Chemical	Na Na Ye: Ye: Ye:
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 rnational Inventories Country(s) or region Australia Canada Canada China Europe	8-88-3) osition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List (DS Non-Domestic Substances List Inventory of Existing Chemical European Inventory of Existing Substances (EINECS)	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L) C (NDSL) Substances in China (IECSC) Commercial Chemical hical Substances (ELINCS)	Na Na Ye: Ye: Ye: Na
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 ernational Inventories Country(s) or region Australia Canada Canada China Europe	8-88-3) psition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List (DS Non-Domestic Substances List Inventory of Existing Chemical European Inventory of Existing Substances (EINECS) European List of Notified Chem	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L) C (NDSL) Substances in China (IECSC) Commercial Chemical hical Substances (ELINCS)	Na Na Ye: Ye: Ye: Na Na
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 ernational Inventories Country(s) or region Australia Canada Canada China Europe Europe Japan	8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List (DS Non-Domestic Substances List Inventory of Existing Chemical European Inventory of Existing Substances (EINECS) European List of Notified Chem Inventory of Existing and New	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L) C (NDSL) Substances in China (IECSC) Commercial Chemical hical Substances (ELINCS)	Na Na Yes Yes
US - California Prope Toluene (CAS 10 US - California Prope Toluene (CAS 10 rnational Inventories Country(s) or region Australia Canada Canada China Europe Europe Japan Korea	8-88-3) psition 65 - CRT: Listed date/Fema 8-88-3) Inventory name Australian Inventory of Chemic Domestic Substances List (DS Non-Domestic Substances List Inventory of Existing Chemical European Inventory of Existing Substances (EINECS) European List of Notified Chem Inventory of Existing and New Existing Chemicals List (ECL)	Listed: January 1, 1991 ile reproductive toxin Listed: August 7, 2009 al Substances (AICS) L) (NDSL) Substances in China (IECSC) Commercial Chemical hical Substances (ELINCS) Chemical Substances (ENCS)	Na Na Yes Yes Yes Na Na 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 governing country(s).

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

Issue date	11-17-2015
Version #	01
NFPA ratings	Health: 2 Flammability: 3 Instability: 0

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded SDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

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