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SAFETY DATA SHEET

1. Identification			
Product identifier	HumiSeal 1B51LU		
Other means of identification			
Product code	HumiSeal 1B51LU		
Recommended use	Protective Coating for Printed	Circuit Board	
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name Address	CHASE CORPORATION Zeta 201 Zeta Drive Pittsburgh, PA 15238 United States	a Drive Plant	
Telephone	1-866-932-0800		
E-mail	Not available.		
Emergency phone number	1-800-424-9300 (+1)703-527-3887	Chemtrec, US Chemtrec, ou	
2. Hazard(s) identification			
Physical hazards	Flammable liquids		Category 2
Health hazards	Acute toxicity, oral		Category 4
	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irrita	tion	Category 2A
	Reproductive toxicity (the unb	orn child)	Category 2
	Specific target organ toxicity, s	single exposure	Category 3 narcotic effects
	Specific target organ toxicity, r exposure	repeated	Category 2
Environmental hazards	Hazardous to the aquatic envi hazard	ronment, acute	Category 2
	Hazardous to the aquatic envi long-term hazard	ronment,	Category 2
OSHA defined hazards	Not classified.		
Label elements			
		!	>
Signal word	Danger	•	

Danger

Hazard statement

Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging 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 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. Specific treatment (see this label). 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	21.94% of the mixture consists of component(s) of unknown acute oral toxicity. 21.94% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 21.94% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

м	ixtures
111	INCUICS

Chemical name	Common name and synonyms	CAS number	%
TOLUENE		108-88-3	70 - < 80
Other components below repo	rtable levels		20 - < 30

*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	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. Irritation of nose and throat. 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.

Material name: HumiSeal 1B51LU

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 General fire hazards	Use standard firefighting procedures and consider the hazards of other involved materials. 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. Keep out of low areas. 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 product is miscible in water.
	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. Prevent entry into waterways, sewer, basements or confined areas. 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. 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. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. 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.

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. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

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. Avoid spark promoters. Eliminate sources of ignition. 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

US. OSHA Table Z-2 (29 C Components	FR 1910.1000) Typ)e	Va	alue
TOLUENE (CAS 108-88-3)	Cei	•		00 ppm
	TW	A	20	00 ppm
US. ACGIH Threshold Lim				
Components	Тур			alue
TOLUENE (CAS 108-88-3)	TW		20) ppm
US. NIOSH: Pocket Guide		-	Ve	alue
Components	Тур			
TOLUENE (CAS 108-88-3)	STE	ΞL		60 mg/m3
	TW	Δ		50 ppm /5 mg/m3
	1 * *	~		00 ppm
ological limit values				
ACGIH Biological Exposu	re Indices			
Components	Value	Determinant	Specimen	Sampling Time
TOLUENE (CAS 108-88-3)	0.3 mg/g	o-Cresol, with	Creatinine in	*
	0.00 "	hydrolysis	urine	
	0.03 mg/l	Toluene Toluene	Urine Blood	*
* - For sampling details, ple	0.02 mg/l		ыюю	
posure guidelines		cument.		
US - California OELs: Skir	designation			
TOLUENE (CAS 108-8	•	Can b	e absorbed throu	igh the skin
US - Minnesota Haz Subs				
TOLUENE (CAS 108-8	8-3)	Skin d	esignation applie	es.
propriate engineering ntrols	changes per hour) applicable, use pro maintain airborne established, maint) should be used. Ve ocess enclosures, lo levels below recomr	ntilation rates sh cal exhaust veni nended exposur o an acceptable	Good general ventilation (typically 10 air hould be matched to conditions. If tilation, or other engineering controls to e limits. If exposure limits have not been level. Eye wash facilities and emergency
lividual protection measure	s, such as personal	protective equipme	nu	
lividual protection measure Eye/face protection	· · ·	protective equipme or with organic vapo		ull facepiece.
•	Chemical respirate		r cartridge and fu	ull facepiece.
Eye/face protection Skin protection	Chemical respirate	or with organic vapo chemical resistant g	r cartridge and fu loves.	ull facepiece. n impervious apron is recommended.
Eye/face protection Skin protection Hand protection	Chemical respirate Wear appropriate Wear appropriate	or with organic vapo chemical resistant g	r cartridge and fu loves. lothing. Use of a	n impervious apron is recommended.
Eye/face protection Skin protection Hand protection Other	Chemical respirate Wear appropriate Wear appropriate Chemical respirate	or with organic vapo chemical resistant g chemical resistant c	r cartridge and fu loves. lothing. Use of a r cartridge and fu	n impervious apron is recommended. Ill facepiece.

Appearance

Physical state	Liquid.	
Form	Liquid.	
Material name: HumiCoal 1DE1LL		0.0

Color	Clear
Odor	Aromatic
Odor threshold	Not available.
рН	Does not apply.
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	44.6 °F (7.0 °C)
Evaporation rate	1.9 BuAc
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.2 %
Flammability limit - upper (%)	7.1 %
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)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	896 °F (480 °C) estimated
Decomposition temperature	Not available.
Viscosity	155 - 215 cP
Other information	
Brookfield viscosity	155 - 215 cP
Density	0.89 g/cm3
Flammability class	Flammable IB estimated
Miscible (water)	Negligible
Percent volatile	78.06 % estimated
Specific gravity	0.89 estimated
VOC (Weight %)	78.06 % estimated
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transpor

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.Chemical stabilityMaterial is stable under normal conditions.Possibility of hazardous
reactionsHazardous polymerization does not occur.Conditions to avoidAvoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the
flash point. Contact with incompatible materials.Incompatible materialsStrong oxidizing agents.Hazardous decomposition
productsNo hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

5		
Ingestion	Harmful if swallowed.	
Inhalation	Prolonged inhalation may be harmful. May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause damage to organs through prolonged or repeated exposure by inhalation.	,
Skin contact	Causes skin irritation.	
Astanial manage Humai Cast 4DE4LU		

Eye contact

Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. 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 swallowed. Narcotic effects.	
Product	Species	Test Results
HumiSeal 1B51LU (CAS Mixture)		
Acute		
Dermal		
LD50	Rabbit	15531.6426 mg/kg estimated
		18.063 ml/kg estimated
Inhalation		
LC50	Mouse	6815.2705 ppm, 8 Hours estimated
		512.4263 ppm, 24 Hours estimated
	Rat	34204.457 ppm, 1 Hours estimated
		15629.0029 ppm, 2 Hours estimated
		10248.5264 ppm, 4 Hours estimated
Oral		
LD50	Rat	3.3308 g/kg estimated
Other		
LD50	Mouse	75.5829 mg/kg estimated
	Rat	1706.3798 mg/kg estimated
Components	Species	Test Results
OLUENE (CAS 108-88-3)		
Acute		
Dermal		
LD50	Rabbit	12124 mg/kg
		14.1 ml/kg
Inhalation		
LC50	Mouse	5320 ppm, 8 Hours
		400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours
		12200 ppm, 2 Hours
		8000 ppm, 4 Hours
Oral		
LD50	Rat	2.6 g/kg
Other		
LD50	Mouse	59 mg/kg
	Rat	1332 mg/kg
* Estimates for product may b	be based on additional component data not show	/n
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye rritation	Causes serious eye irritation.	
Respiratory or skin sensitizatio	n	
Respiratory sensitization	Not available.	
Skin sensitization	This product is not expected to cause skin ser	nsitization.
Germ cell mutagenicity	No data available to indicate product or any co mutagenic or genotoxic.	
Carcinogenicity	This product is not considered to be a carcino	gen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall I	Evaluation of Carcinogenicity			
TOLUENE (CAS 108-88-	 3 Not classifiable as to carcinogenicity to humans. 			
OSHA Specifically Regulate	d Substances (29 CFR 1910.1001-1050)			
Not listed.				
Reproductive toxicity	Suspected of damaging 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 available.			
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.			

12. Ecological information

Ecotoxicity	Toxic to aqua	atic life with long lasting effects. Accumula	tion in aquatic organisms is expected.		
Product	-	Species	Test Results		
HumiSeal 1B51LU (CAS Mix	ture)				
Aquatic					
Crustacea	EC50	Daphnia	13.0957 mg/l, 48 hours estimated		
Fish	LC50	Fish	113.0525 mg/l, 96 hours estimated		
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 I	be based on add	litional component data not shown.			
Persistence and degradability	No data is av	ailable on the degradability of this product			
Bioaccumulative potential	Not available				
Partition coefficient n-octa TOLUENE	nol / water (log	Kow) 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 consideratio	ons				
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.				
US RCRA Hazardous Wast	e U List: Refere	ence			
TOLUENE (CAS 108-88	,	U220			
Waste from residues / unused products		accordance with local regulations. Empty ues. This material and its container must l ructions).			
Contaminated packaging		ners should be taken to an approved was d containers may retain product residue, f	te handling site for recycling or disposal. ollow label warnings even after container is		
14. Transport information	ı				

DOT

UN number UN1263

sds us 7 / 10

UN proper shipping name	PAINT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	B1, IB2, T4, TP1
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1263
UN proper shipping name	PAINT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	1
Environmental hazards	No.
ERG Code	3L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed.
aircraft	
Cargo aircraft only	Allowed.
IMDG	
UN number	UN1263
UN proper shipping name	PAINT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	1
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-D
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	This substance/mixture is not intended to be transported in bulk.
EmS Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code DOT





15. Regulatory information

Standard, 29 CFR 1910.12	00.	
Notification (40 CFR 707, Su	ubpt. D)	
ance List (40 CFR 302.4)		
-3)	Listed.	
ase notification		
ed Substances (29 CFR 1910).1001-1050)	
-	SARA)	
Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No		
dous substance		
No		
	CAS number	% by wt.
	108-88-3	70 - < 80
n 112 Hazardous Air Polluta	nts (HAPs) List	
	(<i>,</i>	
,	Prevention (40 CFR	68.130)
n 112(r) Accidental Release	Prevention (40 CFR	68.130)
,	Prevention (40 CFR	68.130)
n 112(r) Accidental Release		68.130) 21 CFR 1310.02(b) and 1310.04(f)(2)
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es er		
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es er ¹⁸⁻⁸⁸⁻³⁾	sential Chemicals (
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es er ¹⁸⁻⁸⁸⁻³⁾	sential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2)
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es r ¹⁸⁻⁸⁸⁻³⁾ ninistration (DEA). List 1 & 2	sential Chemicals (6594 Exempt Chemical I	21 CFR 1310.02(b) and 1310.04(f)(2)
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es r ¹⁸⁻⁸⁸⁻³) ninistration (DEA). List 1 & 2 ¹⁸⁻⁸⁸⁻³)	sential Chemicals (6594 Exempt Chemical I	21 CFR 1310.02(b) and 1310.04(f)(2)
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es r ⁽⁸⁻⁸⁸⁻³⁾ ninistration (DEA). List 1 & 2 ⁽⁸⁻⁸⁸⁻³⁾ Mixtures Code Number	sential Chemicals (6594 Exempt Chemical I 35 %WV	21 CFR 1310.02(b) and 1310.04(f)(2)
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es r ⁽⁸⁻⁸⁸⁻³⁾ ninistration (DEA). List 1 & 2 ⁽⁸⁻⁸⁸⁻³⁾ Mixtures Code Number	sential Chemicals (6594 Exempt Chemical I 35 %WV	21 CFR 1310.02(b) and 1310.04(f)(2)
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es er ⁽⁸⁻⁸⁸⁻³⁾ ninistration (DEA). List 1 & 2 ⁽⁸⁻⁸⁸⁻³⁾ Mixtures Code Number ⁽⁸⁻⁸⁸⁻³⁾	sential Chemicals (6594 Exempt Chemical I 35 %WV	21 CFR 1310.02(b) and 1310.04(f)(2)
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es r ¹⁸⁻⁸⁸⁻³⁾ ninistration (DEA). List 1 & 2 ¹⁸⁻⁸⁸⁻³⁾ Mixtures Code Number ¹⁸⁻⁸⁸⁻³⁾ Substance List	sential Chemicals (6594 Exempt Chemical I 35 %WV 594	21 CFR 1310.02(b) and 1310.04(f)(2)
n 112(r) Accidental Release Not regulated. ninistration (DEA). List 2, Es r ⁽⁸⁻⁸⁸⁻³⁾ ninistration (DEA). List 1 & 2 ⁽⁸⁻⁸⁸⁻³⁾ Mixtures Code Number ⁽⁸⁻⁸⁸⁻³⁾ Substance List ⁽⁻³⁾	sential Chemicals (6594 Exempt Chemical I 35 %WV 594	21 CFR 1310.02(b) and 1310.04(f)(2)
	This product is a "Hazardou Standard, 29 CFR 1910.12 All components are on the I Notification (40 CFR 707, Su ance List (40 CFR 302.4) -3) ase notification ed Substances (29 CFR 1910 eauthorization Act of 1986 (S Immediate Hazard - Yes Delayed Hazard - Yes Pressure Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Reactivity Hazard - No rdous substance No	This product is a "Hazardous Chemical" as defin Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inve Notification (40 CFR 707, Subpt. D) ance List (40 CFR 302.4) -3) Listed. ase notification ed Substances (29 CFR 1910.1001-1050) eauthorization Act of 1986 (SARA) Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Reactivity Hazard - No dous substance No

US. Rhode Island RTK

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

TOLUEN	IE (CAS	5 108-88	8-3)				Liste	d: Jan	uary	<i>י</i> 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)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
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)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*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	10-17-2014
Revision date	05-19-2015
Version #	03
HMIS® ratings	Health: 2* Flammability: 3 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 3 Instability: 0
Disclaimer	The information offered in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This 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 other process. This material is intended for industrial use only. No warranty, expressed or implied is made.