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## **Safety Data Sheet**

Revision date: 10.09.2015 Date of issue: 02.04.2015

Sr. No.	Title of the section	Information required in this section			
1.	Identification of the	mixture & of the company			
1.1	Identification of the substance or preparation	1.1.1 Trade Name: Hexy 1E 1.1.2 Product Registration No.: 83529-37			
1.2	Use of the substance/ preparation	2 1.2.1 Recommended uses:  ✓ Herbicide			
1.3	1.3.1 Company name: Sharda USA LLC 1.3.2 Contact Person: Sharon Gunning, Director, Supply Chain and Administrative Oper Company/ under - taking identification 1.3.3 Manufacturing site address: Universal Cooperatives, Inc. 1.253 Independence Dr, Napoleon OH 43545 1.3.4 Telephone number: +91 22 5678 2800 1.3.5 Fax number: +91 22 5678 2828, +91 22 5678 2808 1.3.6 E-mail: shardain@vsnl.com; WEBSITE: http://www.shardausa.com				
1.4	Emergency telephone	1.4.1 Emergency telephone number: 1(800) 222-1222 CHEMTREC PHONE: 1(800) 424-9300 1.4.2 Telephone number of USA importer: (610) 350-6930 1.4.3 Opening hours: 24 hrs			
2.	Hazard Identification	Classification: Eye irrit.2, Skin Irrit. 2, Repro. 1B, Aspiration toxicity – 1, Aquatic Chronic 2			
2.1	Classification of the substance according to Regulation 1910.1200 [GHS]	Hazard statement:  • H319 – Causes serious eye irritation • H304 – May be fatal if swallowed and enters airways • H411 – Toxic to aquatic life with long lasting effects • H360 – May damage fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)  Signal Word: Danger  Hazard pictograms:  GHS07 GHS08 GHS09  Precautionary statements: P201 – Obtain special instructions before use. P202 – Do not handle until all safety precautions have been read and understood. P281 – Use personal protective equipment as required. P308 + P313 – P405 – Store locked up. P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 – Do NOT induce vomiting P273 – Avoid release to the environment. P264 – Wash face, hands and any exposed skin thoroughly after handling P280 – Wear protective gloves/ protective clothing/eye protection/face protection. P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.			

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		D205 + D2	251 + D229 IE	IN EVEC. Dings continually with water for several minutes. Demove	
		P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
		P337 + P313 – If eye irritation persists: Get medical advice/ attention.			
		P362 – Take off contaminated clothing and wash before reuse.			
		Hazard Ratings : NFPA			
		Health: 3	aungs . IVI A		
		Flammabi	lity: 0	0	
		Reactivity	•	3 HEALTH	
2.2	Other Information	•		● FLAMMABILITY 3	
2.2			Ratings : HMIS		
		Health: 3	1	PROTECTIVE	
		Flammabi Reactivity		EQUIPMENT	
		Reactivity	. 0		
3.	Composition /Inform	nation on I	ngredients		
		List of rav	v materials in th	ne mixture with hazardous/ non-hazardous additional	
		% Conc.	CAS no.	Substance name	
	Composition	12.1	78587-05-0	Hexythiazox (ISO) –	
3.1	Composition	12.1	70207 02 0	trans-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-3-thiazolidine-carboxamide	
		3.8	NA	Toximul 3479F	
		1.3	NA	Toximul 3476F	
		12.5 70.3	872-50-4 64742-94-5	N-methyl-2-pyrrolidone Naptha (Petroleum) heavy aromatic Aromatic 200 Fluid	
	Common name and	70.3	04742-94-3	Napula (Fetroleum) heavy aromatic Aromatic 200 Fluid	
3.2	Common name and synonyms	Details no	t known		
4.	First Aid Measures				
		- Inhalati		ource of contamination or move victim to fresh air. Keep victim warm	
		and at rest. Treat symptomatically and supportively. Obtain medical advice if			
		necessary.  - Skin contact: Remove contaminated clothing, shoes and leather goods. Wash skin gently and			
	<b>Description of first</b>	thoroughly with water and non-abrasive soap. Persons who become sensitised			
4.1	aid measures	may require specialised medical management with anti-inflammatory agents.			
		- Eye contact: Immediately flush the eyes with gently flowing lukewarm water or saline solution			
		for 20 minutes, occasionally lifting the upper and lower lids. Specialised			
		ophthalmologic treatment might be required.  - Oral: Do not induce emesis. Seek medical advice			
	Important				
4.2	symptoms &			nay even occur after several hours; therefore medical observation for at	
	effects	least 48 hours after the accident is recommended.			
		Notes for	the doctor: No	relevant information or antidote available	
4.3	Immediate	For 24-hour medical emergency assistance (human or animal) call 1-800-222-1222. For chemical			
	medical attention	emergency assistance (spill, leak, fire, or accident) call ChemTrec at 1-800-222-1222. For chemical emergency assistance (spill, leak, fire, or accident) call ChemTrec at 1-800-424-9300.			
5.	Fire Fighting Measu				
	suitable	Carbon	lioxide exting	uishing powder or water spray can be used for cooling of unaffected	
5.1	extinguishing media			ires, water spray or alcohol resistant foam to be used.	
	Special hazard				
5.2	arising from the	Toxic carbon and nitrogen oxides			
	chemical				
	Special protective				
5.3	equipment and			protective clothing and self-contained breathing apparatus with full face	
	precautions for firefighters	piece operated in pressure-demand or other positive pressure mode.			
6.	Accidental Release N	Measures			
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		6.1.1 For non-emergency personnel		
6.1	Personal precautions, protective equipment and emergency procedures	<ul> <li>Personal precautions: Avoid contact with skin and eyes. Do not breathe in fumes. Ventilate area of spill or leak, especially confined areas. Shut off/remove any ignition sources. For personal protection see Section 8.</li> <li>Environmental precautions: Do not allow to enter drains or water courses. When the product contaminates public waters, inform appropriate authorities immediately in accordance with local regulations.</li> <li>6.1.2 For emergency responders: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Do not touch the spilled material. Avoid the spread of the spillage by using adsorbents, if this can be done without risks. Ground all equipment containing material.</li> </ul>		
6.2	Methods and material for containment and cleaning up	Sweep up with dustpan and brush off inert material. The waste should be held in suitable labeled container.		
6.3	Reference to other section	If appropriate section 8 and 13 shall be referred to		
7.	Handling and Storag	ge		
7.1	Precautions for safe handling	7.1.1. Recommendations shall be specified to:  Remove sources of naked flame or sparks. Avoid contact with eyes, prolonged contact with skin, and inhalation of fumes and spray particles. Use with adequate ventilation. Do not apply directly to areas where surface water is present. Water used to clean equipment must be disposed of correctly to avoid contamination.  7.1.2. Advice on general occupational hygiene:		
		(a) not to eat, drink and smoke in work areas (b) to wash hands after use; and (c) To remove contaminated clothing and protective equipment before entering eating areas		
7.2	Conditions for safe storage, including any incompatibilities	<ul> <li>(a) How to manage risks associated with storage:</li> <li>No special storage condition indicated</li> <li>(b) Other advice including: Do not contaminate water, food, or feed by storage or disposal.</li> <li>Store in cool place. Keep container tightly closed in a dry and well-ventilated place.</li> </ul>		
8.	<b>Exposure Controls /</b>	Personal Protection		
8.1	Control parameters	Components with limit values that require monitoring at the workplace   872-50-4   WEEL: Long term value – 10 ppm; skin   Ingredient with biological limit values   BEI: 100 mg/L; Medium: urine; Time: end of shift; Parameter: 5-hydroxy-N-methyl-2-pyrrolidone   78587-05-		
8.2	Exposure controls			
8.2.1	Appropriate engineering controls	The description of appropriate exposure control measures shall relate to the identified use(s) of the substance or mixture as referred to in subsection 1.2. This information shall be sufficient to enable the employer to carry out an assessment of risk to the safety and health of workers arising from the presence of the substance.		
8.2.2	Individual protection measures	(a) Eye / face protection: Wear appropriate protective eyeglasses, splash goggles or chemical safety goggles and face shield.		

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		(b) Skin protection: Wear appropriate protective clothing like impervious lab coat, apron or		
		coveralls.  (i) <u>Hand protection</u> : Use compatible chemical / solvent resistant protective gloves made of suitable materials like rubber, plastic, etc,		
		(ii) Other: Wear appropriate boots and other footwear.		
		(c) Respiratory protection: In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use self-contained respiratory protective device. Short term filter device: Filter AX. In case of emergency spills, use a NIOSH approved respirator with any N, R, P, or HE filter.		
		(d) General protective and hygienic measures:		
	<ul> <li>Keep away from foodstuffs, beverages and feed.</li> <li>Immediately remove all soiled and contaminated clothing.</li> <li>Wash hands before breaks and at the end of work.</li> <li>Store protective clothing separately.</li> </ul>			
9.	Physical & Chemica	Physical & Chemical Properties		
9.1	Information on basic physical and chemical properties	(a) Appearance: fluid (b) Odour: Characteristic (c) Initial boiling point and boiling range: > 100°C (d) Flash point: 202°F (94°C) (e) Vapour pressure: 23 hPa (17 mm Hg) (f) Bulk Density: 8.6 Ib/gal (g) pH value: 4.7 (1% dilution) (h) Solubility(ies): in water: Negligible (i) Explosive properties: None (j) Oxidising properties: Not available		
9.2	Other information	Solvent content - 82.8%		
10.	Stability and Reacti	•		
10.1	Reactivity	Not known		
10.2	Chemical stability Possibility of	Stable at normal temperature and pressure		
10.3	hazardous reactions	No information known		
10.4	Conditions to avoid	Avoid temperatures above 150°F and below 20°F. High temperature, sunlight, frost		
10.5	Incompatible materials	Strong oxidizing agents		
10.6	Hazardous decomposition products	In case of fire - Cl <sub>2</sub> , NO <sub>x</sub> . Thermal decomposition may produce toxic carbon and nitrogen oxides, and hydrogen chloride.		

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11.	Toxico-logical Information		
Information on toxicological effects  (d) respiratory or skin sensitization: Not sensitizing  (e) Carcinogenicity: no known evidence  (g) reproductive toxicity: no known evidence  (h) STOT-single exposure: no known evidence			ion/irritation: irritant to skin and mucous membrane damage/irritation: Strong irritant with the danger of severe eye injury or skin sensitization: Not sensitizing icity: no known evidence re toxicity: no known evidence le exposure: no known evidence
		(j) Aspiration t	ated exposure: no known evidence oxicity – category 1
11.2	Numerical measures of toxicity (such as acute toxicity estimates)	78587-05-0 64742-94-5	Oral: The acute oral toxicity was investigated in male and female Sprague-Dawley rats. The oral LD50 was 4150 mg/kg bw (95 % confidence limits: 3100 - 5560 mg/kg bw). NMP is of low toxicity based on the oral LD50. Dermal: The LD50 value was >5000 mg/kg bw. NMP is of low toxicity based on the LD50 value was >5000 mg/kg bw. NMP is of low toxicity based on the LD50 value determined for males and females.  Inhalation: The respirable fraction was 87 %. Observation period was 14 days. No animal died and all gained body weight. The LC50 was >5.1 mg/L after 4 hours. NMP is classified as being of low toxicity based on the LC50 in males and females.  Skin Irritation: The tests showed a low potential for skin irritation and resulted (for both intact and abraded skin and averaged reading from 24 and 72 hours) in a primary irritation index (PII) of 0.5. The dermal response was rated as minimal.  Eye irritation: Irritation was scored according to the method of Draize. Corneal effects were reversible within 14 days for unwashed eyes and within 7 days for washed eyes. Conjunctival effects cleared in unwashed eyes by the end of the 21 -day observation period and in washed eyes by day 14. The ocular effects were rated as moderate.  Repeated Dose Dermal: Mild local skin irritation was noted after repeated dosing at 413 mg/kg bw/day and above. Beside the death of one rabbit with abraded skin after one week of treatment out of four in total, which received 1653 mg/kg bw/day, no further sign of systemic toxicity was noted by clinical, hematological and histopathological examinations. Thus, the NOAEL for systemic toxicity was 826 mg/kg bw/day, while for local irritation no NOAEL could be obtained after repeated application.  Reproductive toxicity: At necropsy, parental animals revealed significant organ weight changes, however, they were considered not treatment-related due to the absence of changes in the other sex and the absence of corresponding histopathological findings. Thus, the NOAEL for reproductive performance/fertility and

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			Mutagenicity: Solvent naphtha resulted in negative Genotoxicity in mouse lymphoma L5178Y cells, with and without metabolic activation.  Reproductive toxicity: The reproduction NOAEL was 3000 and 1500 mg/kg/day in male and female Sprague Dawley rats respectively	
11.3	Chemical if, listed in NTP or IARC or by OSHA as Carcinogens	The chemical is not a listed carcinogen		
11.4	Additional information	Product shows preparation  Harmf Irritan		
12.	Ecological Informat	tion		
		CAS no.	Aquatic toxicity values	
		872-50-4	Fish: LC50 (96 h): 500 mg/l (nominal); 495 mg/l (measured) Invertebrate: 96 h-LC50-values were 1107 mg/l (95% confidence limits: 955 - 1259 mg/l). Algae: LC 50 250 mg/L	
12.1	Eco – Toxicity	78587-05-0 64742-94-5	Toxicity for birds: LD50 Oral acute in Japanese Quail: > 5000 mg/Kg LD50 Oral acute in Mallard Ducks: > 2510 mg/Kg Toxicity for fish and aquatic fauna:  • LC50, 96h, in Lepomis Macrochirus: 11.6 mg/l • LC50, 96h, in Oncorhynchus Mykiss: > 300 mg/l • LC50, 48h, in Cyprinus Carpio: 3.7 mg/l • EC50, 48h, in Daphnia Magna: 0.4 mg/l • Fish - Acute 96 hour LC50 (mg l-1) = 3.2 mg/l • Fish - Chronic 21 day NOEC (mg l-1) = 0.04 mg/l • Aquatic invertebrates - Acute 48 hour EC50 (mg l-1) = > 0.47 Aquatic invertebrates - Chronic 21 day NOEC (mg l-1) = 0.0061 mg/l  Toxicity for fish and aquatic fauna The 24, 48, 72, and 96 hour LL50 values for O. mykiss were calculated to be in the ranges of 5 to 17, 2 to 5, 2 to 5, and 2 to 5 mg/L, respectively. The NOEL was 2.0 mg/L.  Invertebrate: The 48-hour EL50 was calculated to be 1.4 mg/L with a 95% confidence interval of 1.0 to 2.0 mg/L.  Algae: The 24, 48, and 72 hour EL50 values (those loading rates resulting in a 50% reduction in growth rate after 24, 48, and 72 hours exposure) were all in the range of 1 to 3 mg/L	
	Persistence and degradability	CAS no.	Persistence and degradability	
12.2		78587-05-0 64742-94-5	TEST SYSTEM  - Measuring equipment: Closed system oxygen consumption measuring apparatus (Coulometer: Ohkura Electric Co Ltd.)  - Details of trap for CO2 and volatile organics if used: Soda lime No.1 (extra pure reagent, Wako Pure Chemicals Ind. Ltd.)  Inference: Readily Biodegradable  Its photolytic degradation goes slow, being its life average of 116 days. At pH 9 and 22°C it is hydrolyzed very slowly with a life average of 416 days.  The ready biodegradability test was carried out according to OECD 301F	
		U+142-74-J	Ready Biodegradability: Manometric Respirometry Test) guidelines, with the closed bottle test. It was performed in 1000 mL Biological Oxygen Demand (BOD) bottles. Kerosine Mid-Blend (purity unknown) was added to an aqueous solution of mineral salts and exposed to relatively low numbers of micro-organisms (density 1E+4) under aerobic conditions for a period of 28 days. Activated sludge was obtained from the Medford Municipal Wastewater	

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			Treatment Plant in that was added as 10 mL to the BOD bottles. The test was conducted at 22 degrees centigrade.	
		Conclusion: After 28 days, there was a 58.6% degradation of the test substance.		
	Bio accumulative potential	CAS no.	BCF	
12.3		872-50-4 78587-05-0	Bioaccumulation Estimates (BCFBAF v3.01):  Log BCF from regression-based method = 0.500 (BCF = 3.162 L/kg wet-wt)  Log Biotransformation Half-life (HL) = -1.9694 days (HL = 0.01073 days)  Log BCF Arnot-Gobas method (upper trophic) = -0.043 (BCF = 0.9064)  Log BAF Arnot-Gobas method (upper trophic) = -0.043 (BAF = 0.9064)  log Kow used: -0.38 (expkow database)  BCF = 1100 (Interpretation - Threshold for concern)	
		76367 63 0	Bioaccumulation potential = calculated as low Measured BCF values of 1000-1600 in whole fish and 300-510 in fish muscle suggests bioconcentration in aquatic organisms is high to very high. Hexythiazox has a reported half-life of 16.7 days in aqueous solution exposed to sunlight. Hexythiazox is reported to be stable in acidic and alkaline media, therefore it is not expected to undergo aqueous hydrolysis in the environment.	
		64742-94-5	Equation Used to Make BCF estimate:  Log BCF = 0.6598 log Kow - 0.333 + Correction  Correction(s): Value  No Applicable Correction Factors  Estimated Log BCF = 1.844 (BCF = 69.88 L/kg wet-wt)	
		CAS no.	Soil Mobility	
	Mobility in soil	872-50-4 78587-05-0	Soil Adsorption Coefficient (KOCWIN v2.00): Koc: 7.401 L/kg (MCI method); Log Koc: 0.869 (MCI method) Koc: 4.651 L/kg (Kow method); Log Koc: 0.668 (Kow method)  ✓ In soil, it is degraded mainly by oxidation to produce hydroxy and	
12.4			<ul> <li>carbonyl compounds.</li> <li>✓ Soil degradation (days) (aerobic) :- DT50 (typical) = 30 which indicates that the chemical is Moderately persistent.</li> <li>✓ Particulate-phase hexythiazox will be removed from the atmosphere by wet or dry deposition.</li> <li>✓ Hexythiazox has a reported half-life of 16.7 days in aqueous solution exposed to sunlight and therefore may be susceptible to direct photolysis by sunlight.</li> <li>✓ If released to soil, hexythiazox is expected to have no mobility based upon a measured Koc of 6200.</li> <li>✓ Volatilization from moist soil surfaces is not expected to be an important fate process based upon an estimated Henry's Law constant of 2.37X10-8</li> </ul>	
		64742-94-5	atm-cu m/mole.  Soil Adsorption Coefficient (KOCWIN v2.00):  Koc: 1544 L/kg (MCI method); Log Koc: 3.189 (MCI method)  Koc: 730.6 L/kg (Kow method); Log Koc: 2.864 (Kow method)  Experimental Log Koc: 2.96 (database)	
12.5	General information	Water hazard class: 2 (self-assessment) – hazardous to water Do not allow the product to reach through ground water, water course or sewage system.  Danger to drinking water if even small quantity leaks into the ground system.  The mixture is not persistent, bio accumulative or toxic (Not PBT)		
13.	Disposal Considera	tions		
13.1	Waste treatment methods	<ul> <li>(a) Waste treatment containers and methods: Waste treatment containers and methods shall be specified including the appropriate methods of waste treatment of both the substance or mixture and any contaminated packaging (for example, incineration, recycling, land filling)</li> <li>(b) Physical/chemical properties: Physical/chemical properties that may affect waste treatment options shall be specified</li> </ul>		
		(c) Sewage disj	posal: Sewage disposal shall be discouraged	

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		(d) Special precautions: Where appropriate, any special precautions for any recommended waste		
	Additional	treatment option shall be identified.  Any relevant Community provisions relating to waste shall be referred to. In their absence any		
13.2	information:	relevant national or regional provisions in force shall be referred to.		
14.	Transport Informat			
1-10	Tunsport informat	14.1. UN number : 3082		
		14.2. UN proper shipping name:		
		<ul> <li>✓ ADR: 3082 Environmentally Hazardous Substance, Liquid, n.o.s. (Hexythiazox)</li> <li>✓ DOT - Environmentally hazardous substance, solid, n.o.s. (Hexythiazox)</li> <li>✓ IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexythiazox) MARINE POLLUTANT</li> <li>✓ IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexythiazox)</li> </ul>		
		14.3. Transport hazard class(es): 9		
	Information includes RID, ADR, AND, DOT, ICAO, IMDG, IATA-DGR			
	IATA-DOK	14.4. Packing group: III		
		14.5. Environmental hazards (e.g., Marine pollutant (Yes/No)): Yes		
		14.6. Special precautions for user: Warning		
		✓ Danger Code : 90;		
		✓ EMS Number : F-A,S-F		
		14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code: Not applicable		
		14.8. Additional information: ADR/ IMDG		
		✓ Limited quantities (LQ) – 5L; Excepted Quantities (EQ) – E1		
		✓ Maximum net quantity per inner packaging : 30 ml ✓ Maximum net quantity per outer packaging : 1000 ml		
15.	Regulatory Informa			
10.	Regulatory Informa			
15.1	Safety, health and environmental regulations/other legislations	<ul> <li>Product related hazard information: The product has been classified and marked in accordance with directives on hazardous materials</li> <li>Hazard statements:         <ul> <li>Harmful if swallowed, inhaled or absorbed through skin.</li> <li>Causes moderate eye irritation.</li> </ul> </li> <li>Signal word – CAUTION</li> <li>Precautionary statements:         <ul> <li>Avoid breathing vapor or spray mist.</li> <li>Avoid contact with skin, eyes, or clothing.</li> <li>Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>Remove contaminated clothing and wash clothing before reuse.</li> </ul> </li> <li>Other regulations: Listed /not listed within the following regulation         <ul> <li>Sara – section 355 (extremely hazardous substance): none of the ingredients are listed.</li> <li>Sara – section 313 (specific toxic chemical listing): N-methyl-2-pyrrolidone (CAS No.: 872-50-4)</li> <li>TSCA: CAS NO.; 64742-94-5; 872-50-4; 7732-18-5 – all 3 listed</li> <li>Proposition 65 (chemical known to cause cancer): none of the ingredients are listed</li> <li>Proposition 65 (chemical known to cause reproductive toxicity for females/ males): none of the ingredients are listed</li> <li>Carcinogenic categories (EPA): none of the ingredients are listed</li> <li>TLV: N-methyl-2-pyrrolidone</li> <li>NIOSH – Ca (National Institute of Occupational Health and Safety): none of the ingredients are listed</li> </ul> </li> <li>OSHA – Ca (Occupational Health and Safety Administration): none of the ingredients are listed</li> </ul>		

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16.	Other Information					
		Section 1: Identification of the substance/mixture and of the company/undertaking				
		Section 2: Hazard Identification - Changes in Classification and Labelling.				
		Section 3: Composition /Information on Ingredients				
		Section 5: Fire-fighting measures				
		Section 6: Accidental Release measures				
	Indication of changes	Section 7: Handling and storage.				
16.1		Section 8: Exposure Controls/Personal protection.				
		Section 9: Physical and Chemical properties.				
		Section 10: Stability and Reactivity.				
		Section 11: Toxicological Information.				
		Section 12: Ecological Information.				
		Section 14: Transport labeling				
		Section 15: Regulatory Information				
		OSHA: Occupational Safety and Health Administration				
		GHS: Globally harmonized system on classification and labelling				
		TWA: Time Weighted Average				
		STEL: Short Term Exposure Limit				
		PEL: Permissible Exposure Limits				
		ACGIH: American Conference of Governmental Industrial Hygienists				
		NIOSH: National Institute for Occupational Safety and Health				
		TLV: Threshold Limit Value				
		MARPOL: Marine pollution				
		IBC Code: International Code for the Construction and Equipment of Ships carrying				
	Abbreviations and	Dangerous Chemicals in Bulk				
16.2	acronyms	IARC: International Agency for Research on Cancer				
		NTP: National Toxicology Program				
		CAS: Chemical Abstracts Service (division of the American Chemical Society)				
		LC50: Lethal concentration, 50 percent				
		LD50: Lethal dose, 50 percent				
		IMDG: International Maritime Code for Dangerous Goods IATA: International Air				
		Transport Association				
		IATA-DGR: Dangerous Goods Regulations by the "International Air Transport				
		Association" (IATA) ICAO: International Civil Aviation Organization				
		ICAO-TI: Technical Instructions by the "International Civil Aviation Organization"				
		Sara : Superfund Amendments and Reauthorization Act				
		WEEL: Workplace Environmental Exposure Level				
		http://echa.europa.eu/search-				
		chemicals;jsessionid=02A932957C1BA2098DAB8E49132CEFCB.live2				
		<ul> <li>http://www.pesticideinfo.org/Detail_Chemical.jsp?Rec_Id=PC35477#Toxicity</li> </ul>				
		http://www.american-chemicals.com/productshow/704032.html				
	Key literature references and sources for data	http://www.chemicalbook.com/ChemicalProductProperty_US_CB1936559.aspx				
16.3		EPI Suite				
10.3		• https://www.exxonmobilchemical.com/Chem-English/Files/Resources/aromatic-150-				
		product-safety-summary.pdf				
		• http://www.totalpetrochemicalsusa.com/documents/ProductStewardship/Atosols%20Pro				
		duct%20Summary%20-%20TPRI.pdf				
1		http://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/advancedsearch/ex				
		ternalSearch.do?p_type=CASNO&p_value=64742-94-5				

Disclaimer: This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. The information above is believed to be accurate and represents the best information currently available to us. No representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. This SDS shall be used as a guide only. Users should make their own investigations to determine the suitability of the information for their particular purposes. Consult Sharda USA LLC for further information.