



## MATERIAL SAFETY DATA SHEET

*For 1 Shot/Chromatic Liquid Coatings and Associated Liquid Materials*

### **One Shot, LLC**

A Spraylat Company  
5300 W. 5th Avenue  
Gary, IN 46406  
(219) 949-1684  
Fax: (219) 949-1612

e-mail [HSECoordinator@Spraylat.com](mailto:HSECoordinator@Spraylat.com)

PREPARED BY : Health, Safety and Environmental Coordinator

<b>EMERGENCY PHONE:</b>	<b>1-800-424-9300</b>	<b>Chemtrec</b>
<b>INTERNATIONAL TRANSPORTATION ACCIDENTS:</b>	<b>1-703-527-3887</b>	<b>Chemtrec</b>

### I. CHEMICAL PRODUCT IDENTIFICATION

Product Name : **"1 SHOT" Fluorescent Color 220-F**

Date Printed :	10/02/07	Revision Number :	3
Revision Date :	10/02/07	Supercedes :	04/30/05

### II. COMPOSITION/INFORMATION ON INGREDIENTS - (EXPOSURE LIMITS - SEE SECTION VIII)

INGREDIENT NAME	CAS #	%
Toluene	108-88-3	50.01 - 75.00
Xylene	1330-20-7	1.01 - 5.00

If ingredient percentages do not total 100%, the balance is due to rounding or applies to ingredient(s) deemed nonhazardous under 29 CFR 1910.1200 (Hazard Communication Standard).

### III. HAZARDS IDENTIFICATION

	HMIS
<b>HEALTH</b>	2
<b>FLAMMABILITY</b>	3
<b>REACTIVITY</b>	0

0 = Least    1 = Slight    2 = Moderate    3 = High    4 = Extreme    \* = Chronic Health Effects

**Routes of Entry:** Inhalation, Eye contact, Skin contact.

**Medical Conditions Aggravated:** Kidney disease, Eye disease, Liver disease, Skin disease including eczema and sensitization, Digestive tract disease.

#### Immediate (Acute) Health Effects:

**Inhalation:** Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**Skin Contact:** Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**Eye Contact:** Can cause minor irritation, tearing and reddening.

**Ingestion:** May be slightly toxic by ingestion. Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

**Target Organ Acute Toxicity:** Heart, Kidneys, CNS, Eyes, Blood, Liver, Skin, Digestive Tract, Respiratory System.

**Long-Term (Chronic) Health Effects:**

<b>Inhalation:</b>	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.		
<b>Skin Contact:</b>	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.		
<b>Eye Contact:</b>	Upon prolonged or repeated contact, can cause minor irritation, tearing and reddening.		
<b>Carcinogenicity:</b>	IARC: No	NTP: No	OSHA: No
<b>Target Organ Chronic Toxicity:</b>	Heart, Kidneys, CNS, Eyes, Blood, Liver, Skin, Digestive Tract, Respiratory System.		

NOTICE - Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**IV. FIRST AID**

<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
<b>Eyes:</b>	Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.
<b>Skin Contact:</b>	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
<b>Ingestion:</b>	Seek medical advice immediately. Provide ingredients information from Section II of this MSDS to the medical care provider. Contact your local Poison Control Center (listed in the telephone book), or dial the local "Emergency" (911) number for additional information. Do not induce vomiting unless instructed to do so by a physician or other competent medical personnel. Never give anything by mouth to an unconscious person.
<b>Notes to M.D.</b>	Acute massive exposure to toluene can cause transient hematuria and albuminuria. Cardiac arrhythmias can occur after massive inhalation.

**V. FIRE FIGHTING MEASURES**

<b><u>Flammability Summary:</u></b>	<b>Flammable</b>
<b>Flash Point:</b>	32 °C; 90 °F
<b>Autoignition Temperature:</b>	480 °C; 896 °F
<b>Lower Flammable/Explosive Limit, % in air:</b>	1.1
<b>Upper Flammable/Explosive Limit, % in air:</b>	7.0
<b>Fire Hazards:</b>	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. This product, when dried or cured, may support combustion when subjected to sources of ignition or heat in sufficient amount.
<b>Extinguishing Media:</b>	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.
<b>Fire Fighting Instructions:</b>	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.
<b>Hazardous Combustion Products:</b>	Carbon dioxide, Carbon monoxide.

**VI. ACCIDENTAL RELEASE MEASURES**

<b>Health Consideration for Spill Response:</b>	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, and the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
-------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Spill Mitigation Procedures:**

**General Methods:**

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. For liquid spills, dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Ensure clean-up measures are in compliance with OSHA (29 CFR 1910.120).

**Air Release:**

Ventilate the area by opening door and/or turning on fans and blowers.

**Water Release:**

Avoid runoff into storm sewers and ditches that lead to waterways. If runoff occurs, notify proper authorities as required, that a spill has occurred.

**Land Spills:**

Do not flush to sewer.

**VII. HANDLING AND STORAGE**

**Handling:**

Harmful or irritating; avoid overexposure to the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Use spark-proof tools and explosion-proof equipment.

**Storage:**

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed when not in use. Keep away from sources of ignition.

**VIII. ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT, AND EXPOSURE LIMITS**

**Engineering Controls:**

Local exhaust ventilation, process enclosures, or other engineering controls are important when handling or using this product to avoid overexposure. Ventilation is required to maintain operator exposure below published exposure limits.

**Protective Equipment:**

**Respiratory Tract:**

If general or local exhaust ventilation is not available or sufficient to reduce exposure to below acceptable levels, then respiratory protection is required to avoid overexposure when handling this product. Wear a NIOSH approved respirator if levels above the exposure limits are possible.

**Eyes:**

Wear safety glasses with side shields when handling this product. Do not wear contact lenses. An eye wash station must be available where this product is used.

**Skin:**

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Protective Clothing:**

Wear chemically resistant gloves and apron. (Consult your safety equipment supplier).

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL	IDLH
Toluene	108-88-3	50 ppm TWA	200 ppm TWA 300 ppm Ceiling	500 ppm IDLH
Xylene	1330-20-7	100 ppm TWA 150 ppm STEL	100 ppm TWA; 435 mg/m3 TWA	900 ppm IDLH

**IX. PHYSICAL DATA**

**Appearance:**

Clear Liquid.

**Color:**

Clear

**Odor:**

Hydrocarbon

**pH:**

N/A

**Octanol/Water Coeff:**

Not Determined.

**Solubility in Water:**

Minimal.

**Vapor Density:**

Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.

**Evaporation Rate:**

Slower than n-Butyl Acetate.

**Specific Gravity/Density:**

0.95 / 7.93 Lbs./G1.

**V.O.C.**

4.76 Lbs/G1 less water & exempt solvent;	571 g/l less water & exempt solvent;	4.8 Lbs/G1 as packed
------------------------------------------	--------------------------------------	----------------------

The VOC content is determined by using a percent solids basis, less water and exempt solvents, for adhesives, coatings and inks and the calculations of EPA Reference Method 24 or equivalent ASTM method approved by the executive office.

**Initial Boiling Point:**

111 °C; 232 °F

**X. STABILITY AND REACTIVITY****Stability Information:**

Stable under normal conditions.

**Conditions to Avoid:**

Sparks, open flame, other ignition sources, and elevated temperatures.

**Chemical Incompatibility:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Carbon dioxide, Carbon monoxide.

**XI. TOXICOLOGICAL INFORMATION**

Chemical Name	LD50/LC50
Toluene	Inhalation LC50 Rat: 49 gm/m <sup>3</sup> /4H; Inhalation LC50 Mouse: 400 ppm/24H; Oral LD50 Rat: 636 mg/kg; Dermal LD50 Rabbit: 14100 uL/kg
Xylene	Inhalation LC50 Rat: 5000 ppm/4H; Oral LD50 Rat: 4300 mg/kg; Dermal LD50 Rabbit: >1700 mg/kg

**XII. ECOLOGICAL INFORMATION****Overview:**

Care should be taken to minimize releases of any industrial chemicals to the environment.

**XIII. DISPOSAL CONSIDERATIONS****Waste Description for Unused Product:**

Spent or discarded material is a hazardous waste.

**Disposal Methods:**

Information in this MSDS is provided only as a guide. Consult with competent authority to determine proper waste disposal procedures. Clean up and dispose of waste and clean-up materials in accordance with all federal, state, and local environmental regulations.

**Potential EPA Waste Codes:**

D001, .

**Some Components Possibly Subjected to USEPA Land Disposal Restrictions:**

When disposing of unused products or any waste, the preferred options are to send to a licensed reclaimer or to permitted incinerators. There may be some other ingredients subject to LDR categories.

Toluene	108-88-3
Xylenes (o-, m-, p- isomers)	1330-20-7

**XIV. TRANSPORTATION INFORMATION****Agency Basic Description and Label**

DOT Paint, 3, UN1263, PG II; Label Required: Flammable Liquid.

**Hazardous Substance**

Toluene	final RQ = 1000 pounds (454 kg); also listed as Benzene, methyl-
Xylenes (isomers and mixture)	RQ = 100 pounds (45.4 kg); also listed as Xylene; also listed as Xylene (mixed); also listed as Benzene, dimethyl-

**XV. REGULATORY INFORMATION****Regulation**

SARA 313 Reportable : Toluene, Xylene (mixed isomers)

TSCA Inventory : All components of this product are listed in, or exempt from, the TSCA 8(b) Inventory.

M.S.D.S. Reportable HAP(s) : Toluene, Xylenes (nos).

California Proposition 65 : The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65: "WARNING: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm."

SARA/CERCLA Section 302 : N/A

**XVI. ADDITIONAL INFORMATION****Major References:** VENDOR'S MSDS's, PAINT & COATINGS HANDBOOK, EPA'S LIST OF LISTS, AND OTHER PUBLISHED MATERIALS.

*IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, THEY ARE PROVIDED FOR YOUR GUIDANCE ONLY. MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION OR USE, INCLUDING USE OF THIS MATERIAL IN COMBINATION WITH OTHER MATERIALS OR PROCESSES. YOU THEREFORE SHOULD, AND THIS MATERIAL IS SUPPLIED ON THE CONDITION THAT YOU, PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF THE MATERIAL PRIOR TO USE, AND YOU ACCEPT RESPONSIBILITY FOR SATISFYING YOURSELF THAT THE MATERIAL IS SUITABLE AND THE COMPLETENESS OF THIS INFORMATION IS SUFFICIENT FOR YOUR USE. ALTHOUGH CERTAIN HAZARDS MAY BE DESCRIBED HEREIN, OTHER HAZARDS MAY ALSO EXIST. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA, OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE, AND WE DISCLAIM LIABILITY FOR LOSS OR INJURY ARISING FROM YOUR USE OF THIS MATERIAL, DATA OR INFORMATION. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HERE ARE GIVEN GRATIS. NO OBLIGATIONS NOR LIABILITIES FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.*