

CHEMCO

MANUFACTURING COMPANY, INC.

MATERIAL SAFETY DATA SHEETS3225 COMMERCIAL AVENUE • NORTHBROOK, ILLINOIS 60062-1920 • 800-323-0431 • FAX 800-336-7706 • WEB SITE: <http://www.chemcomfg.com>**1. Product and Company Information**

Product Trade Name:	791-WH White Spray Booth Coating	Validation Date:	1-July-01
Synonyms:	01WH791, 05WH791, 55WH791	Product Code:	791WH
Chemical Family:	Not Available	Internal Code:	Not available
Packaging:	Not Available	Description:	791WH White Spray Booth Coating
Product Type:	Not Available		
Product Use:	Not Available		

Manufactured/ Supplied:	Chemco Manufacturing Company, Inc 3225 Commercial Avenue Northbrook, IL 60062 Information Phone:800-323-0431 Emergency Phone:800-424-9300	HEALTH:	2
		FIRE HAZARD:	3
		REACTIVITY:	0
		PERSONAL: PROTECTION	X

2. Composition and Information on Hazardous Ingredients

Ingredient Name	CAS #	% by Weight	ACGIH TLV	OSHA PEL	IDLH
Titanium Dioxide	13463-67-7	<5	10 mg/m ³ TWA	15 mg/m ³ TWA (total dust)	Potential NIOSH carcinogen
Toluene	108-88-3	55 +/- 5	50 ppm TWA	200 ppm TWA C 300 ppm	Not determined
Acetone	67-64-1	15 +/- 2	55 ppm TWA 750 ppm STEL	1000 ppm TWA; 2400 mg/m ³ TWA	2500 ppm IDLH (lower explosion level)
Methyl Ethyl Ketone	78-93-3	<5	200 ppm TWA 300 ppm STEL	200 ppm TWA; 590 mg/m ³ TWA	3000 ppm IDLH
Isophorone	78-59-1	<5	No TLV C 5 ppm	25 ppm TWA; 140 mg/m ³	200 ppm IDLH

3. Hazards Identification

Routes of Entry	: Inhalation, Absorption, Skin contact, Eye Contact, Ingestion
Medical Conditions Aggravated	: Skin allergies, Skin disease including eczema and sensitization, Eye disease, Lung disease, Liver disease, Kidney disease
Immediate (Acute) Health Effects	
Inhalation	: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful if inhaled. Harmful. Can cause systemic damage, see target organs below. High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and even death with longer exposure.

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Skin Contact	: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact	: Can cause severe irritations. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear Production, with marked redness and swelling of the conjunctiva. Temporary Vision Impairment (cloudy or blurred vision) is possible. Irritating and may Injure eye tissue if not removed promptly.
Skin Absorption	: May cause irritation and minor systemic damage. Harmful if absorbed Through skin.
Ingestion	: Harmful if swallowed. May cause systemic poisoning. Mildly irritating to Mouth, throat, and stomach. Can cause abdominal discomfort. Aspiration of Material into the lungs can cause chemical pneumonitis.
Target Organ Acute Toxicity	: Nervous system, heart, kidneys, respiratory system, skin, eyes, liver
Long-term(Chronic) Health Effects	
Inhalation	: Upon prolonged and/or repeated exposure, can cause moderate respiratory Irritation, dizziness, weakness, fatigue, nausea and headache. Repeated Or prolonged inhalation may cause toxic effects. Prolonged or repeated inhalation may cause kidney and lung damage.
Skin Contact	: Upon prolonged or repeated contact, can cause moderate skin irritation, Defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact	: Upon prolonged or repeated contact, can cause severe irritation. Eye contact May result in corneal injury. Symptoms may include discomfort or pain, Excess blinking and tear production, with marked redness and swelling of the Conjunctiva. Temporary vision impairment (cloudy or blurred vision) is Possible.
Skin Absorption	: Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.
Carcinogenicity	: IARC: NO NTP: NO OSHA: NO
Target Organ Chronic Toxicity	: Respiratory system, Nervous System, Heart, Kidneys, Skin, Eyes, Liver
	Notice: reports have associated repeated and prolonged occupational Overexposure to solvents with bran and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents May be harmful or fatal.

4. First Aid Measures

Inhalation	: Remove to fresh air. If breathing is difficult, have a trained individual Administer oxygen. If not breathing, give artificial respiration. Get Medical attention immediately.
Eyes	: Immediately flush eyes with plenty of luke warm water for at least 20 Minutes retracting eyelids often. Tilt the head to prevent chemical from Transferring to the uncontaminated eye. Get immediate medical Attention and monitor the eye daily as advised by your physician.
Skin Contact	: Wash with soap and water. Remove contaminated clothing, launder Immediately, and discard contaminated leather goods. Get medical Attention immediately.

Ingestion	: 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.
Notes to M.D.	: Acute massive exposure to toluene can cause transient hematuria and Albuminuria. Cardiac arrhythmias can occur after massive inhalation.

5. Fire-Fighting Measures

Flammability Summary	: Extremely Flammable
Flash Point	: -20 C; -4 F
Autoignition	: 465 C; 869 F
Lower Flammable/ Explosive Limit,% in air	: 0.8
Upper Flammable/ Explosive Limit,% in air	: 7.0
Fire Hazards	: Vapors may be ignited by heat, sparks, flames or other sources of Ignition at or above the low flash point giving rise to a Class B fire. 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 a sufficient amount.
Extinguishing Media	: Use alcohol resistant foam, carbon dioxide, or dry chemical Extinguishing agents. Water spray or fog may also be effective for Extinguishing if swept across the base of the fire. Water can also be Used to absorb heat and keep exposed material from being damaged By fire.
Fire Fighting Instruction	: Do not enter fire area without proper protection including self-contained Toxic 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. Do not point Solid water stream directly into burning oil to avoid spreading.

6. Accidental Release Measures

Health Consideration For Spill Response	: 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. Evaporation of volatile substances can lead to the displacement of air Creating an environment that can cause asphyxiation.
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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. 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.
Air Release	: Ventilate the area by opening door and/o turning on fans and blowers.
Water Release	: Avoid runoff into storm sewers and ditches that lead to waterways. If Run-off occurs, notify proper authorities as required, that a spill has Occurred.
Land Spills	: Do not flush to sewer

7. Handling and Storage

Handling	: Harmful or irritating; avoid overexposure to the material. Use only in a Well ventilated area. Use spark-proof tools and explosion-proof Equipment.
Storage	: Store in a cool dry ventilated locations. Isolate from incompatible And conditions. Keep container(s) closed when not in use. Keep away From sources of ignition.

8. Exposure Controls and Personal Protection

Ingredient Name	CAS #	% by Weight	ACGIH TLV	OSHA PEL	IDLH
Titanium Dioxide	13463-87-7	<5	10 mg/m ³ TWA	15 mg/m ³ TWA (total dust)	Potential NIOSH carcinogen
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Engineering Controls	: Local exhaust ventilation, process enclosures, or other engineering controls Are important when handling or using this product to avoid overexposure. Facilities storing or using this material should be equipped with an eyewash And safety shower. Vapor concentrations should be monitored and Controlled in accordance with 29 CFR1910.1000.
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Protective Equipment	
Respiratory Tract	: If general or local exhaust ventilation is not available or sufficient to reduce

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	Exposure to below acceptable levels, then respiratory protection is required To avoid overexposure when handling this product.
Eyes	: Wear safety glasses with side shields when handling this product. When The possibility exists for eye contact with splashin or spraying liquid, or Airborne material, wear additional eye protection such as chemical splash Goggles and/or face shield. Do not wear contact lenses. Have an eye Wash station available.
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.

9. Physical and Chemical Properties

Physical State and Appearance	: White liquid
Color	: White
Odor	: Hydrocarbon mild
pH	: N/A
Octanol/Water Coeff	: Not determined.
Solubility in water	: Partial
Vapor density	: Heavier than air. Vapors tha evolve from this product will tend to settle and Accumulate near the floor.
Evaporation rate	: Faster than n-butyl acetate
Specific Gravity/ Density	: 0.933/7.79 lbs./GL
V.O.C.	: 5.5 lbs/Gl. Less water and exempt solvent; 660 grams/liter 4.5 lbs/Gl. w/w
Initial Bolling Point	: 56 C; 133 F
Initial Freezing Point	: N/A

10. Stability and Reactivity

Stability	: Stable under normal conditions.
Conditions to avoid	: Contamination sparks, open flame, other ignition sources, Elevated temperatures
Chemical Incompatibility	: Strong acids
Hazardous Decomposition Products	: Carbon dioxide; carbon monoxide.

11. Toxicological Information

Chemical Name	LD50/LC50
Toluene	Inhalation LC50 Mouse:5320 ppm/8H; Oral LD50 Rat:5000 mg/kg;

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	Dermal LD50 Rabbit: 14g/kg
Acetone	: Inhalation LC50 Rat:50100 mg/m ³ /8H; Inhalation LC50 Mouse:44 gm/m ³ /4H; Oral LD50 Rat:5800 mg/kg; Oral LD50 Mouse:3gm/kg
2-Butanone	: Inhalation LC50 Rat:23500 mg/m ³ /8H; Inhalation LC50 Mouse:32 gm/m ³ /4H; Oral LD50 Rat:2737 mg/kg; Oral LD50 Mouse:4050 mg/kg, Dermal LD50 Rabbit:6480 mg/kg
2-Cyclohexen-1-one, 3,5,5-trimethyl-	: Oral LD50 Rat: 1870 mg/kg; Oral LD50 Mouse:2690 mg/kg; Dermal LD50 Rabbit:1500 uL/kg

12. Ecological Information

Overview : Care should be taken to minimize releases of any industrial Chemicals to the environment.

13. Disposal Consideration

Waste Description : Spent or discarded material is a hazardous waste.
Disposal Methods : Product should be disposed of in accordance with local, state, and federal Regulations.

14. Transport Information**Hazardous Substance**

Toluene : Final RQ=1000 pounds (454 kg); also listed as Benzene, methyl-
Methyl Ethyl Ketone : Final RQ=5000 pounds (2270 kg); also listed as 2-Butanone; also listed
As Ethyl Methyl Ketone

15. Regulatory Information

SARA 313 Reportable : Toluene, Methyl Ethyl Ketone
TSCA Inventory : All components of this product are listed in, or exempt from, the TSCA 8(b)
MSDS Reportable : Toluene, Methyl ethyl Ketone (2-Butanone), Isophorone
HAP(s)
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/or birth defects or other reproductive harm."

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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. Because many factors may affect processing or application/use, We recommend that you perform an assessment to determine the suitability of a Product for your particular purpose prior to use. 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. 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.