SAFETY DATA SHEET

Section 1 – Product and Company Identification

THE EMBALMERS' SUPPLY COMPANY
5 Colton Road
East Lyme, CT 06333

INFORMATION: 860-739-4200
EMERGENCY PHONE (24hr) CHEMTREC: 800-424-9300
www.embalmers.com – info@embalmers.com

Trade Name: Dry Shampoo
Product Type: Cleaner/Solvent

Product Code: 20081

Revision Date: Oct-14

Section 2 – Hazards Identification

Appearance: Clear Liquid **Odor:** Sweet

Emergency Overview: **DANGER!** **OSHA Hazards:** Carcinogen, Irritant, Mutagen

This contains materials considered hazardous by OSHA Hazard Communication Standard [29 CFR 1910.1200]

Target Organs: Liver, Central Nervous System, Heart, Lungs

Hazard Statements:

- May be harmful if swallowed
- Causes skin irritation
- Causes serious eye irritation
- Wear appropriate personal protective equipment (see section 8 for more information)

Potential Health Effects: [See section 11 for additional information]

- **Eye Contact:** Causes Eye Irritation
- **Skin Contact:** May be harmful if absorbed through skin. Causes skin irritation.
- **Inhalation:** May be harmful if inhaled. Causes repiratory tract irritation.
- **Ingestion:** May be harmful if swallowed.

Carcinogenicity: Category 1B

Reproduction: Germ cell mutagenicity Category 2

Potential environmental effects: [see section 12 for additional information]
Harmful to aquatic life with long lasting effects.

Section 3 – Composition/Information on Ingredients

Ingredient Name:	CAS number	WT %
Trichloroethylene	79-01-6	98.5

Section 4 – First Aid Measures

Eye contact: Rinse thoroughly with plwnty of water for at least 15 minutes and consult a physician.

Skin contact Wash off with soap and plenty of water. Consult a physician.

Inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 – Fire-fighting measures

General Information Not flammable or combustible

Extinguishing media

Suitable Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

General Information Use proper personal protective equipment as indicated in section 8

Spill/Leaks Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation. Do not let product enter drains. Discharge to the environment must be avoided.

Section 7 – Handling & Storage

Handling Wash thoroughly after handling. Remover contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

Storage Keep containers tightly closed in a dry and well-ventillated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Control/Personal Protection

Ingredient Name:	**Occupational exposure limits**			
	AGCIH TLV	**NIOSH**	**OSHA PEL STEL (15 mins)**	
Trichloroethylene	50ppm TWA	270 mg/m^3	200 ppm	1080 mg/m^3

Engineering Use adequate general or local exhaust to keep airborne concentrations below the permissible exposure levels

Personal Protective Equipment

Eyes Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin Wear appropriate protective gloves and clothing to prevent skin exposure. The type of protective equipment must be selected according to the concentration and amount of the dangerous substace at the specific workplace.

Clothing Wear appropriate protective clothing to prevent skin exposure.

Respirators Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149. Always use a NIOSH or European EN149 approved respirator when necessary.

Hygiene Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 – Physical & Chemical Properties

Appearance (physical state, color, etc.)	Clear liquid
Odor	characteristic
pH	no data available
Melting point/freezing point	melting point/range: -84.8^{o}C (-120.6^{o}F)
Boiling point	86.7^{o}C (188.1^{o}F)
Flash point	no data available
Ignition Temperature	410^{o}C (770^{o}F)
Auto Ignition Temperature	410.0^{o}C (770.0^{o}F)
Lower explosion limit	8% (V)
Upper explosion limit	10.5% (V)
Vapor pressure	81.3 hPa (61.0 mm Hg) at 20^{o}C

Relative density	1.463 g/mL @ 25^{o}C
Water solubility	no data available
Partition coeffficent: n-octanol/water	No Data
Auto ignition temperature	No Data
Decomposition temperature	No Data

Section 10 – Stability & Reactivity

Stability Stable under normal temperatures and pressures.

Conditions to avoid no data available

Materials to avoid Oxidizing agents, reducing agents, Magnesium

Hazardous Decomposition Products Thermal decomposition may produce carbon oxides, Hydrogen chloride gas.

Section 11- Toxicological Information

Acute toxicity
Ingredient Name:

Trichloroethylene	LD50 Oral	Rat		4,920 mg/kg
	LC50 Inhalation	mouse	4h	8,450 ppm
	LD50 Skin	rabbit		>20,000 mg/kg
	Irritation Skin	rabbit		severe – 24 h
	Irritation Eye	rabbit		severe – 24 h

Other Toxicological Information: Laboratory experiments have shown mutagenic effects. In vitro test showed mutagenic effects.

Carcinogenicity This product is or contains a component that has been reported to be probably carcinogenic gbased on its IARC, OSHA, ACGIH, NTP or EPA classification.

ACGIH	2A – Group 2A: Probably carcinogenic to humans (Trichloroethylene)
IARC	Not Classified
NTP	Reasonably anticipated to be a human carcinogen (Trichloroethylene)
OSHA	Not Classified
EU	Not Classified

Reproductive Toxicity: No data available
Teratogenicity: No data available
Specific Target Organs – GHS single exposure: May cause damage to organs.
GHS repeated exposure: no data available
Aspiration hazard: no data available
Potential health effects:

Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Skin:	May be harmful if absorbed through skin. Causes skin irritation.
Eyes:	Causes eye irritation.

Signs and Symptoms of Exposure: Burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting. Exposure to and/or consumption of alcohol may increase toxic effects. Gastrointestinal disturbance, kidney injury may occur, narcosis.

Section 12 – Ecological Information

Environmental effects Harmful to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Aquatic Eco toxicity
Ingredient Name

Trichloroethylene	LC50	41 mg/L – 96 h	Pimephales promelas (fathead minnow)
	LOEC	11 mg/L – 10 d	other fish
	NOEC	40 mg/L – 10 d	Oryzias latipes

EC50	18.0 mg/L – 48 h	Daphnia magna (water fleas)
IC50	175.0 mg/l – 96 h	Pseudokirchneriella subcapitata (green algae)

Does not bioaccumulate

Section 13 – Disposal Considerations

Waste disposal Offer surplus and non-recyclable solutions to a licensed disposal company. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 – Transportation Information

The data in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulation to properly classify your shipment.

International transport regulations

DOT (US)
UN number 1710 Class: 6.1 Packaging Group III
Proper shipping name: Trichloroethylene
Reportable Quantity (RQ): 100 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 1710 Class: 6.1 Packaging Group III EMS-No: F-A, S-A
Proper shipping name: TRICHLOROETHYLENE
Marine pollutant: no

IATA
UN number 1710 Class: 6.1 Packaging Group III
Proper shipping name: Trichloroethylene

Section 15 – Regulatory Information

US regulations

OSHA Hazards
Carcinogen, Irritant, Mutagen

SARA
Section 302 (RQ) No chemicals in this substance are subject to reporting requirements of Title III
SARA 313 The following components are subject to reporting levels established by SARA Title III, Section 313:

Trichloroethylene CAS-No. 79-01-6

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

State regulations

Massachusetts Right to Know Components
Trichloroethylene CAS-No. 79-01-6

Pennsylvania Right to Know Components
Trichloroethylene CAS-No. 79-01-6

Section 15 – Regulatory Information (continued)

New Jersey Right to Know Components
Trichloroethylene CAS-No. 79-01-6

California Prop. 65 Components
WARNING! This product contains a chemical known to the State of California to cause cancer.
Trichloroethylene CAS-No. 79-01-6

Section 16 – Other Information

Prepared by	The Embalmers' Supply Company
Date of issue	30 October 2014
Date of printing	
Version	**3**
Notice to reader	The information provided herein was believed by The Embalmers' Supply Company (ESCO) to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by ESCO are subject to ESCO's terms and conditions of sale. ESCO MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY ESCO, except that the product shall conform to ESCO's specifications. Nothing contained herein constitutes and offer for the sale of any product.