



SAFETY DATA SHEET

Section 1 – Product and Company Identification

THE EMBALMERS' SUPPLY COMPANY
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Trade Name: BB 58 Tissue Builder
Product Type: Tissue Restorative – Lacquer Based Mixture

Product Code: 20058

Revision Date: Jun-17

Section 2 – Hazards Identification

Appearance: Pink Liquid **Odor:** Alcohol like

Emergency Overview: **DANGER!** *This contains materials considered hazardous by OSHA Hazard Communication Standard [29 CFR 1910.1200] Flam*

Hazard ID: Flammable Liquid II



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

Potential Acute Health Effects

- **Eye Contact:** Irritation to the eyes. Other effects of eye contact may include: redness, tearing.
- **Skin Contact:** Toxic in contact with skin.
- **Inhalation:** Toxic if inhaled.
- **Ingestion:** Toxic if swallowed. Other effects of inhalation may include: abdominal pain, blindness, CNS effects, cramps, cyanosis, dizziness, drowsiness, fatigue, headache, nausea, shortness of breath, weakness.

Precautionary Statements (GHS-US)

P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P210 – Keep away from heat, hot surfaces, open flames, sparks. – No Smoking.
P233 - Keep container tightly closed.
P240 – Ground/bond container and receiving equipment.
P241 – Use explosion-proof electrical, lighting, ventilating equipment.
P242 – Use only non-sparking tools.
P243 – Take precautionary measures against static discharge.
P260 – Do not breathe dust/fume/gas/mist/vapors/spray.
P263 – Avoid contact during pregnancy/while nursing.
P264 – Wash hands, forearms and face thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P271- Use only outdoors or in a well ventilated area.
P280 – Wear eye protection, protective clothing, protective gloves.
P301+P310 – IF SWALLOWED: immediately call a POISON CENTER/doctor/physician.
P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 – IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 – Call a Doctor/POISON CENTER if you feel unwell.
P337+P313 – If eye irritation persists: Get medical advice/attention.

P370+P378 – In case of fire: Use water spray, fog, sand, dry extinguishing powder, carbon dioxide (CO2), foam to extinguish.

P403+P233+P235 – Store in a well-ventilated place. Keep container tightly closed. Keep cool.

P405 – Store locked up.

P501 – Dispose of contents/container in accordance with local, regional, national and international regulations.

Other Hazards

No data available

Section 3 – Composition/Information on Ingredients

<u>Ingredient Name:</u>	<u>CAS number</u>	<u>WT %</u>
Nitrocellulose	9004-70-0	≥ 5%
Isopropyl Alcohol	67-63-0	≥ 5%
Methanol	67-56-1	≥ 95%

Section 4 – First Aid Measures

4.1 Description of First Aid Measures

First Aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water, followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed.

Causes serious eye irritation. May cause drowsiness or dizziness.

Inhalation may cause drowsiness or dizziness. **Skin contact** may cause skin irritation. **Eye contact** causes serious eye irritation. **Ingestion** is likely to be harmful or have adverse effects. **Chronic Symptoms:** None expected under normal conditions of use.

Exposure to vapours or material of combustion may give rise to headache, dizziness, drowsiness, nausea and delayed breathing difficulties. Eye pain redness, tearing, swelling of eyelids, itching. Prolonged skin contact may result in irritation.

4.3 Indications of any immediate Medical Attention and Special Treatment Needed.

If breathing is difficult or patient shows signs of lack of consciousness, seek immediate medical assistance.

Section 5 – Fire-fighting measures

Extinguishing media

Suitable

For small fires use dry chemical, CO2, water spray, or alcohol resistant foam. For large fires, use water spray, fog or alcohol-resistant foam.

Non-suitable

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Fire Hazard: Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

Explosion Hazard: This product contains explosives. If allowed to dry may present a mass explosion hazard. May form flammable/explosive vapour-air mixture. Heat may build pressure increasing explosion hazard.

Reactivity: Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion.

Advice for firefighters

Precautionary measures fire: Exercise caution when fighting any chemical fire.

Firefighter Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to risk of explosion.

Protection during Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Refer to section 9 for flammability properties.

Section 6 – Accidental Release Measures

General Information Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapour, mist, spray). Keep away from heat/sparks/open flames/hot surfaces. – No Smoking.

Personal Precautions: Use appropriate personal protection equipment. (PPE). Evacuate unnecessary personnel.

Emergency Responders: Equip clean-up crew with proper protection. Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up: Contain any spills with dikes or absorbents to prevent migration and entry into sewer or streams. Do not take up in combustible material such as saw dust or cellulosic material. Use on non-sparking tools. Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after spill.

Section 7 – Handling & Storage

Handling Any proposed use of this product in elevated temperature processes should be thoroughly evaluated to assure that safe operation conditions are established and maintained. Handle empty containers with care because residual vapours are flammable. Keep away from heat/sparks/open flames/hot surfaces. No Smoking. Use only non-sparking tools. Proper grounding procedures to avoid static electricity should be followed. Do not pressurize, cut, or weld containers.

Hygiene measures: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

Storage Store in dry, cool and well-ventilated place. Keep container closed when not in use. Keep/store away from direct sunlight, extremely high or low temperatures, incompatible materials, heat sources, ignition sources, sparks, or open flame. Store locked up.

Incompatible Materials: Strong Oxidizers.

For Professional Use Only.

Section 8 – Exposure Control/Personal Protection

Ingredient Name:	Occupational exposure limits			
	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA Ceiling
Methanol	200 ppm	250 ppm	200 ppm	N. D.
Isopropyl Alcohol	200 ppm	400 ppm	400 ppm	N. D.

Engineering Use adequate general or local exhaust to keep airborne concentrations below the permissible exposure levels. Emergency Eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure national/local regulations are observed. Use explosion-proof equipment.

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 to prevent skin exposure.

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.

Section 9 – Physical & Chemical Properties

Appearance (physical state, color, etc.)	Clear Liquid
Odor	Alcohols
pH	No data available
Melting point/freezing point	No data available
Boiling point	147 149 F
Flash point	51 F
Evaporation Rate	<1
Flammability (solid/gas)	No data available
Lower flammable limit	No data available
Upper flammable limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.8043
Water solubility	No data available
Partition coefficient: n-octanol/water	No Data
Auto ignition temperature	No Data
Decomposition temperature	No Data
Viscosity	30 45 cps

Section 10 – Stability & Reactivity

Reactivity Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion.

Chemical Stability Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Incompatible Materials. Sparks, heat, impact, friction, open flame and other sources of ignition.

Incompatible Materials: Strong Oxidizers. Acids, alkalis, hydrogen peroxide, chromic anhydride, nitric acid, mixed nitric/sulfuric acid, nitrosyl perchlorate, permonosulfuric acids, potassium tert-butoxide, sodium hypobromite, chlorinated melamine.

Hazardous Decomposition Products Thermal decomposition may produce carbon dioxide. Combustion can lead to the formation of formaldehyde. Combustion can lead to formation of formic acid.

Section 11- Toxicological Information

Acute toxicity

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>Ingredient Name:</u>	<u>CAS No.</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
Nitrocellulose	9004-70-0	>5000 mg/kg	N/A	N/A
Isopropyl Alcohol	67-63-0	5840 mg/kg	16.4 mg/kg bw	10,000 mg/L
Methanol	67-56-1	300 mg/kg	>200 mg.kg	>2 mg/L

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage Irritation: Causes serious eye irritation

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicity: Not Classified

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness.

Specific Target Organ Toxicity (Repeated Exposure): Not Classified.

Aspiration Hazard: Not Classified

Symptoms/Injuries after Inhalation: May cause drowsiness or dizziness.

Symptoms/Injuries after Skin contact: May cause skin irritation.

Symptoms/Injuries after Eye contact: Causes serious eye irritation.

Symptoms/Injuries after Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Primary Route(s) of Entry: Eye contact, Ingestion, Skin contact.

Section 12 – Ecological Information

12.1 Toxicity.

Isopropyl Alcohol (67-53-0)

LC50 Fish 1	9640mg/L (Exposure time: 96h-Species: Pimephales promelas)
EC50 Daphnia 1	13,299mg/L (Exposure time: 48h-Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	1000mg/L (Exposure time 96h-Species: Desmodemus subspicatus)
LC50 Fish 2	11,130mg/L (Exposure time: 96h-Species: Pimephales promelas)
EC50 Other Aquatic Organisms 2	1000mg/L (Exposure time: 72h-Species: Desmodemus subspicatus)
Methanol (67-56-1)	
LC50 Fish 1	No Information
EC50 Daphnia 1	No Information
EC50 Other Aquatic Organisms 1	No Information
LC50 Fish 2	No Information
EC50 Other Aquatic Organisms 2	No Information

12.2 Persistence and Degradability:

Nitrocellulose

Degradability	Approx 20% after 28 days OECE 301B
COD	460 mg/L, DIN 38409, part 41
BOD5	0 mg O2/L at 20 mg/L, DIN 38409, H 51

Isopropyl Alcohol

Degradability	Readily biodegradable
COD	2.23 g O2/g test material
BOD5	1.72 g O2 test material

Methanol

Degradability	No information available
COD	No information available
BOD5	No information available

Mobility in soil: Nitrocellulose is insoluble in water and will not be mobile in soil. Both IPA and Methanol are miscible with water and are expected to be mobile in soil.

Other Adverse Effects: Avoid release to the environment.

Section 13 – Disposal Considerations

Waste disposal 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.

Handle empty containers with care because residual vapors are flammable. Avoid release to the environment.

Section 14 – Transportation Information

Proper Shipping Name:

DOT NITROCELLULOSE, SOLUTION, FLAMMABLE with not less than 12.6 % nitrogen, by mass, and not more than 55% nitrocellulose.



Hazard Class: 3

Identification Number:	UN2059
Label Codes:	3
Packaging Group:	II
ERG Number:	127

IMDG**Proper Shipping Name:** NITROCELLULOSE SOLUTION, FLAMMABLE

Hazard Class: 3
Identification Number: UN2059
Packaging Group: II
EmS-No. (Fire): F-E
EmS-No. (Spillage): S-D

IATA**Proper Shipping Name:** NITROCELLULOSE SOLUTION, FLAMMABLE

Hazard Class: 3
Identification Number: UN2059
Packaging Group: II
Label Codes: 3
ERG Code (IATA): 3H

Section 15 – Regulatory Information**US regulations****SARA**

This product has been reviewed according to the EPA 'Hazard Categories; promulgated under section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire hazard, Immediate (acute) health hazard.

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund amendment and Reauthorization Act of 1986 and 40 CFR part 372.

<u>Chemical Name:</u>	<u>CAS No.</u>
Isopropyl Alcohol	67-63-0
Methanol	67-56-1

Toxic Substances Control Act (TSCA):

This product contains the following substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

<u>Chemical Name:</u>	<u>CAS No.</u>
Isopropyl Alcohol	67-63-0
Nitrocellulose	9004-70-0

State regulations

Nitrocellulose (9000-70-0)	U.S. – Massachusetts – Right To Know List U.S. – New Jersey – Tight To Know Hazardous Substance List U.S. – Pennsylvania – RTK (Right To Know) List
Isopropyl Alcohol (67-63-0)	U.S. – Massachusetts – Right To Know List U.S. – New Jersey – Tight To Know Hazardous Substance List U.S. – Pennsylvania – RTK (Right To Know) List U.S. – Pennsylvania – RTK (Right To Know) – Environmental Hazard List
Methanol (67-56-1)	U.S. California – Proposition 65 Reproductive Toxins

Canadian WHMIS: This SDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

WHMIS Class: No Information Available.

Section 16 – Other Information

Prepared by	The Embalmers' Supply Company
Date of issue	29 June 2017
Other Information	This document has been prepared in accordance with the SDS Requirements of the OSHA Hazard communication Standard 26 CFR 1910.1200
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