

**GRUMBACHER MATTE**  
**FINAL FIXATIVE**  
**SAFETY DATA SHEET**  
 OSHA HCS (29 CFR 1910.1200)

21724-2004

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION****Product identifier**

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	GRUMBACHER MATTE FINAL FIXATIVE
Product Code	549 and 649 (M-5353)

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	Fixative
Uses Advised Against	None
Company Identification	Spray Products Corporation P.O. Box 737 Norristown, PA 19404
Telephone	(610) 277-1010
Fax	(610) 277-4390
E-Mail (competent person)	<a href="mailto:john.d@sprayproducts.com">john.d@sprayproducts.com</a>

**Emergency telephone number**

Emergency Phone No.	<b>Transportation Emergency:</b> CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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**SECTION 2: HAZARDS IDENTIFICATION****Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Liquefied gas; Skin Irrit. 2; Eye Irrit. 2; Asp. Tox. 1; STOT SE 3

**Label elements**

Hazard Symbol



Signal word(s)

**DANGER**

Hazard Statement(s)

Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Causes skin irritation.  
 Causes serious eye irritation.  
 May be fatal if swallowed and enters airways.  
 May cause drowsiness or dizziness.  
 May cause respiratory irritation.  
 Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
 Do not spray on an open flame or other ignition source.  
 Do not pierce or burn, even after use.  
 Use only outdoors or in a well-ventilated area.  
 Do not breathe mist/vapours/spray.  
 Wear protective gloves/eye protection.  
 Wash hands and exposed skin after use.

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Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.  
None

Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Acetone	30 - 40	67-64-1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Xylene**	30 - 40	1330-20-7	Flam. Liq. 3; H226 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Asp. Tox. 1; H304 STOT SE 3; H335
Propane	10 - 15	74-98-6	Flam. Gas 1; H220 Press. Gas (*)
Butane	10 - 15	106-97-8	Flam. Gas 1; H220 Press. Gas (*)

**Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.:

\*\*Contains: Ethylbenzene (CAS No. 100-41-4) <10%; Benzene (CAS No. 71-43-2) <0.1%; and Toluene (CAS No. 108-88-3) <0.5%

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

### SECTION 4: FIRST AID MEASURES



#### Description of first aid measures

Inhalation

Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Wash affected skin with soap and water. If symptoms develop, obtain medical attention. Take off contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

Do not give anything by mouth to an unconscious person. Seek medical treatment. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

May be harmful if swallowed and enters airways.

**Indication of any immediate medical attention and special treatment needed**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.  
Do not use water jet.

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**Special hazards arising from the substance or mixture**

Highly flammable vapor (flash point below 23°C).

**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Avoid breathing vapors.

**Environmental precautions**

Prevent liquid entering sewers, basements and work pits.

**Methods and material for containment and cleaning up**

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

**Reference to other sections**

None

**Additional Information**

None

#### SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Avoid breathing vapors.

**Conditions for safe storage, including any incompatibilities**

-Storage temperature

Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals.

**Specific end use(s)**

Fixative

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Acetone	67-64-1	1000	500	-----	750	^NIC
Xylene	1330-20-7	100 ppm	100 ppm	-----	150 ppm	-----
Toluene	108-88-3	200 ppm	20 ppm	300 ppm*	-----	*10-min. Ceiling
n-Butane	106-97-8	-----	250 ppm	-----	-----	-----
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	#
Ethylbenzene	100-41-4	100 ppm	20 ppm	-----	-----	A3

^NIC = Notice of Intended Changes (ACGIH®); A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans; # Assure minimum oxygen content of work atmosphere.

**Recommended monitoring method**

NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C) ; NIOSH 1501 (Hydrocarbons, Aromatic)

**Exposure controls****Appropriate engineering controls**

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

**Personal protection equipment**

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Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

#### Environmental Exposure Controls

None known

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Appearance	Liquid / Aerosol
Color.	Not available
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	56 (Acetone)
Flash Point (°C)	-17 (Acetone)
Evaporation Rate	Not available
Flammability (solid, gas)	Extremely flammable aerosol.
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal)	ca. $95 \times 10^4$ (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0°C (Propane)
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	450 (Propane)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	< 20.5 @ 40 0°C
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
<b>Other information</b>	Not available

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Avoid contact with heat and ignition sources.
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Acrid smoke

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### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Information on toxicological effects**

Acetone (CAS No. 67-64-1)

**Acute toxicity**

Oral LD50 = 5800 mg/kg (rat)  
 Dermal LD50 >15800 mg/kg (rabbit)  
 Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.

**Irritation / Corrosivity**

Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

**Sensitisation**

It is not a skin sensitiser.

**Repeated dose toxicity**

Oral NOAEL = 900 mg/kg/day (rat) (90-days)  
 Inhalation NOAEL  $\geq$  19,000 ppm (rat)

**Carcinogenicity**

It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity**

Negative

**Toxicity for reproduction**

Negative

**Other information**

None known.

Xylenes (CAS No.1330-20-7)

**Acute toxicity**

Oral LD50 = 3520 mg/kg (rat)  
 Dermal LD50 >5000 mg/kg (rabbit)  
 Inhalation LC50 = 27.6 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness. May cause respiratory irritation.

**Irritation / Corrosivity**

Causes eye irritation. Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

**Sensitisation**

It is not a skin sensitiser.

**Repeated dose toxicity**

Oral NOAEL = 900 mg/kg/day (rat) (90-days)  
 Inhalation NOAEL  $\geq$  19,000 ppm (rat)

**Carcinogenicity**

It is unlikely to present a carcinogenic hazard to man.\*

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity**

Negative

**Toxicity for reproduction**

Negative

**Other information**

\* Contains: Ethylbenzene (CAS# 100-41-4). A3 - Confirmed Animal Carcinogen with unknown relevance to humans (ACGIH®). IARC Group 2B - Possibly carcinogenic to humans.

Propane (CAS# 74-98-6):

**Acute toxicity**

Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)

**Irritation/Corrosivity**

No evidence of irritant effects from normal handling and use.

**Sensitisation**

It is not a skin sensitiser.

**Repeated dose toxicity**

NOAEC:  $\geq$ 19678 mg/m<sup>3</sup> (28-day, rat, Systemic effects)  
 LOAEC: 21641 mg/m<sup>3</sup> (28-day, rat, effects: Body weight)

**Carcinogenicity**

No data. It is unlikely to present a carcinogenic hazard to man.

**Mutagenicity**

There is no evidence of mutagenic potential.

**Reproductive toxicity**

None anticipated

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### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**
Xylene (CAS No. 1330-20-7)\*

Short term (By analogy with similar materials)

LC50 (96 hour) = 2.6 mg/l (*Oncorhynchus mykiss*)IC50 (24 hour(s)) = 1 mg/l (*Daphnia magna*)EC50 (73 hour(s)) = 1.9 mg/l (*Pseudokirchnerella subcapitata*)

Long Term

IC50 (24 hour(s)) = 1 mg/l (*Daphnia magna*)

Other: \*Typically contains Ethylbenzene

Propane (CAS# 74-98-6):

Short term (estimate)

LC50 (96 hour): 27.98 mg/L (fish)

LC50 (48 hour): 14.22 mg/L (crustacea)

EC50 (96 hour): 7.71 mg/L (algae)

Long Term

No data.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

### SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>	1950	1950	1950
<b>Proper Shipping Name</b>	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
<b>Transport hazard class(es)</b>	2.1	2.1	2.1
<b>Packing group</b>	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	None assigned	None assigned	None assigned
<b>Special precautions for user</b>	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

### SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Acetone	67-64-1	30 - 40	5000
Toluene	108-88-3	<1	1000
Xylene	1330-20-7	15-35	100
Ethylbenzene	100-41-4	< 10	1000

**SARA 311/312 - Hazard Categories:**

Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.
Toluene	108-88-3	<1
Xylene	1330-20-7	15-35

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Ethylbenzene	100-41-4	< 10
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**SARA 302 - Extremely Hazardous Substances(40 CFR 355):**

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

**California Proposition 65 List:**

Chemical Name	CAS No.	Type of Toxicity
Toluene	108-88-3	Developmental, Female Reproductive
Ethylbenzene	100-41-4	Cancer
Benzene*	71-43-2	Cancer, Developmental (male)

\*Trace to none.

### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 11.

Date of preparation: July 9, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

**Hazard Statement(s)**

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapor.
- H226: Flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H340: May cause genetic defects.
- H402: Harmful to aquatic life.
- H412: Harmful to aquatic life with long lasting effects.

**Training advice:** None.

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