

ISSUE DATE 8/16/2019
REVIEWED ON 8/16/2019

SAFETY DATA SHEET

OSHA HAZCOM STANDARD 29 CFR 1910.1200(G) AND GHS REV 03



STAMP SHIELD

PENETRATING & CHEMICALLY REACTIVE STAIN PROTECTION

SPECIFICALLY DESIGNED FOR USE ON
STAMPED CONCRETE, PAVERS, & NATURAL STONE

40 GROSSETT DRIVE, SUITE 200, KIRKWOOD, NY 13795
1 (800) 475-1975 • (607) 775-1948 • WWW.TRINIC.US • @TRINICLLC   

1. IDENTIFICATION

PRODUCT IDENTIFIER

- **Trade Name:** Stampshield / Stampshield Matte
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** No further relevant information available.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Manufacturer/Supplier:

Trinic LLC.
40 Grosset Drive, Suite 200
Kirkwood, NY 13795
www.TRINIC.us
(800) 475-1975 - toll free (US only)

Emergency telephone number:

Chemtrec (US): (800) 424-9300
Chemtrec (outside US): (703) 527-3887 (collect calls accepted)

2. HAZARD(S) IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE



Flame

Flam. Liq. 2

H225 Highly flammable liquid and vapor.



Eye Irrit. 2A

STOT SE 3

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

LABEL ELEMENTS

- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Acetone

2. HAZARD(S) IDENTIFICATION (CONT.)

- **Hazard statements:**

H225 - Highly flammable liquid and vapor.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

- **Precautionary statements:**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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 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 poison center/doctor if you feel unwell.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P370+P378 - In case of fire: Use for extinction: CO2, powder or water spray.

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

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

UNKNOWN ACUTE TOXICITY

This value refers to knowledge of known, established toxicological or ecotoxicological values. 8% of the mixture consists of component(s) of unknown toxicity.

2. HAZARD(S) IDENTIFICATION (CONT.)

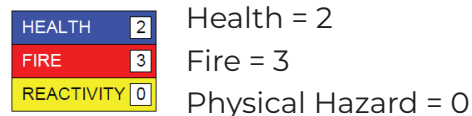
CLASSIFICATION SYSTEM

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC)

None known

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION

Mixtures

DESCRIPTION

Non-regulated material

DANGEROUS COMPONENTS		
CAS: 67-64-1 RTECS: AL 3150000	Acetone ----- ☠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	40 - 60%
CAS: 540-88-5 RTECS: AF 740000	tert-butyl acetate ----- ☠ Flam. Liq. 2, H225	15 - 35%
CAS: 28262-63-7	Acrylic Resin ----- Combustible Dust	2 - 12%

ADDITIONAL INFORMATION

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with soap and water. If skin irritation occurs, consult a doctor.
- **After eye contact:** Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor. If easy to do so, remove contact lenses if worn. If eye irritation occurs, consult a doctor.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

ADVICE FOR FIREFIGHTERS

- **Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective equipment. Keep unprotected persons away.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers / surface or ground water.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Dispose of the collected material according to regulations.

REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

PROTECTIVE ACTION CRITERIA FOR CHEMICALS

- **PAC-1:**

67-64-1	Acetone	200 ppm
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540-88-5	tert-butyl acetate	600 ppm
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- **PAC-2:**

67-64-1	Acetone	3200* ppm
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540-88-5	tert-butyl acetate	1,700 ppm
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- **PAC-3:**

67-64-1	Acetone	5700* ppm
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540-88-5	tert-butyl acetate	10,000 ppm
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7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke. Protect from heat. Protect against electrostatic charges.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

SPECIFIC END USE(S)

No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:

No further data; see section 7.

CONTROL PARAMETERS

- **Components with occupational exposure limits:**

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

67-64-1 Acetone	
PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm BEI

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT.)

540-88-5 tert-butyl acetate	
PEL	Long-term value: 950 mg/m ³ , 200 ppm
REL	Long-term value: 950 mg/m ³ , 200 ppm
TLV	Short-term value: 712 mg/m ³ , 150 ppm Long-term value: 238 mg/m ³ , 50 ppm

INGREDIENTS WITH BIOLOGICAL LIMIT VALUES	
67-64-1 Acetone	
BEI	50 mg/L urine end of shift Acetone (nonspecific)

ADDITIONAL INFORMATION

The lists that were valid during the creation of this SDS were used as basis.

EXPOSURE CONTROLS

GENERAL PROTECTIVE AND HYGIENIC MEASURES

- The usual precautionary measures for handling chemicals should be followed.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing and wash before reuse.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT.)

PERSONAL PROTECTIVE EQUIPMENT

- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
Material of gloves: Not applicable
Penetration time of glove material: Not applicable
- **Eye protection:**



Tightly sealed goggles

LIMITATION AND SUPERVISION OF EXPOSURE INTO THE ENVIRONMENT

None

9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:**
 - Form: Liquid
 - Color: Clear
- **Odor:** Slight
- **Odor threshold:** Not determined
- **pH-value:** Not applicable
- **Change in condition:**
 - Melting point/Melting range: Not determined
 - Boiling point/Boiling range: $\geq 55.8 - \leq 56.6^{\circ}\text{C}$ ($\geq 132.4 - \leq 133.9^{\circ}\text{F}$)
- **Flash point:** $< -18^{\circ}\text{C}$ ($< -0.4^{\circ}\text{F}$)
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:** $\geq 465^{\circ}\text{C}$ ($\geq 869^{\circ}\text{F}$)
- **Decomposition temperature:** Not determined
- **Auto igniting:** Product is not self-igniting
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

9. PHYSICAL AND CHEMICAL PROPERTIES (CONT.)

- **Explosion limits:**
 - Lower: ≥ 2.6 Vol %
 - Upper: ≤ 13 Vol %
- **Vapor pressure @ 20°C (68°F):** ≤ 233 hPa (≤ 174.8 mm Hg)
- **Density:**
 - Relative density: Not determined
 - Vapor density: Not determined
 - Evaporation rate: Not determined
- **Solubility in / Miscibility with:**
 - Water: Not miscible or difficult to mix
- **Partition coefficient (n-octanol/water):** Not determined
- **Viscosity:**
 - Dynamic: Not determined
 - Kinematic: Not determined
- **Solvent content:**
 - Organic solvents: 95.0 %
 - VOC content: 40.00 %
 - 1,316.7 g/l / 10.99 lb/gal
 - Solids content: 8.0 %

OTHER INFORMATION

No further relevant information available.

10. STABILITY AND REACTIVITY**REACTIVITY**

No further relevant information available.

CHEMICAL STABILITY**THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED**

No decomposition if used according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

CONDITIONS TO AVOID

Heat, flame and ignition sources.

INCOMPATIBLE MATERIALS

No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION**INFORMATION ON TOXICOLOGICAL EFFECTS**

- Acute toxicity:

LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION		
67-64-1 Acetone		
Oral	LD50	5,800 mg/kg (Rat)
Dermal	LD50	20,000 mg/kg (Rabbit)
Inhalative	LC50 / 4 h	5,549 mg/l (Trout) (96 hr)
540-88-5 tert-butyl acetate		
Oral	LD50	4,100 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)

- **Primary irritant effect:**

On the skin: No irritating effect.

On the eye: Irritating effect.

- **Additional toxicological information:** The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories:**

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed.

12. ECOLOGICAL INFORMATION**TOXICITY**

AQUATIC TOXICITY	
67-64-1 Acetone	
EC50	6,100 mg/l (Pimephales) (48 hr)
540-88-5 tert-butyl acetate	
EC50	350 mg/l (Water flea)

PERSISTENCE AND DEGRADABILITY

No further relevant information available.

BIOACCUMULATIVE POTENTIAL

No further relevant information available.

MOBILITY IN SOIL

No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION

- **General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course, or sewage system.

- **Results of PBT and vPvB assessment:**

PBT: Not applicable.

vPvB: Not applicable.

- **Other adverse effects:** No further relevant information available.

13. DISPOSAL CONSIDERATIONS**WASTE TREATMENT METHOD RECOMMENDATION**

Observe all federal, state and local environmental regulations when disposing of this material.

UNCLEANED PACKAGING RECOMMENDATION

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION• **UN-Number:**

DOT, ADR/ADN, IMDG, IATA

UN1993

• **UN proper shipping name:****DOT:** Flammable liquids, n.o.s. (Acetone, Butyl acetates)**ADR/ADN:** UN1993 FLAMMABLE LIQUID, N.O.S. (ACETONE, BUTYL ACETATES)**IMDG, IATA:** FLAMMABLE LIQUID, N.O.S. (ACETONE, BUTYL ACETATES)• **Transport hazard class(es):****DOT:**

Class: 3 Flammable liquids

Label: 3

ADR/ADN:

Class: 3 (F1) Flammable liquids

Label: 3

IMDG, IATA:

Class: 3 Flammable liquids

Label: 3

• **Packing group:**

DOT, ADR/ADN, IMDG, IATA

I

• **Environmental hazards:**

Not applicable

• **Special precautions for user:**

Warning: Flammable liquids

• **Danger code (Kemler):**

33

• **EMS Number:**

F-E, S-D

• **Stowage Category:**

B

• **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

14. TRANSPORT INFORMATION (CONT.)• **Transport/Additional information:****DOT:**

Quantity limitations:

On passenger aircraft/rail: 1 L

On cargo aircraft only: 30 L

ADR/ADN:

Excepted quantities (EQ):

Code: E3

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 300 ml

IMDG:

Limited quantities (LQ):

0

Excepted quantities (EQ):

Code: E3

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 300 ml

• **UN “Model Regulation”:**UN 1993 FLAMMABLE LIQUID, N.O.S.
(ACETONE, BUTYL ACETATES), 3, I**15. REGULATORY INFORMATION****SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE****SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION)**

- **Section 355 (extremely hazardous substances):** None of the ingredients are listed.
- **Section 313 (Specific toxic chemical listings):** None of the ingredients are listed.
- **TSCA (Toxic Substances Control Act):** All components have the value ACTIVE.
- **Hazardous Air Pollutants:** None of the ingredients are listed.

15. REGULATORY INFORMATION (CONT.)**CALIFORNIA PROPOSITION 65**

- **Chemicals known to cause cancer:** None of the ingredients are listed.
- **Chemicals known to cause reproductive toxicity for females:** None of the ingredients are listed.
- **Chemicals known to cause reproductive toxicity for males:** None of the ingredients are listed.
- **Chemicals known to cause developmental toxicity:** None of the ingredients are listed.
- **New Jersey Right-to-Know List:**

67-64-1	Acetone	
540-88-5	tert-butyl acetate	
- **New Jersey Special Hazardous Substance List:**

67-64-1	Acetone	F3
540-88-5	tert-butyl acetate	F3
- **Pennsylvania Right-to-Know List:**

67-64-1	Acetone	
540-88-5	tert-butyl acetate	
- **Pennsylvania Special Hazardous Substance List:**

67-64-1	Acetone	E
540-88-5	tert-butyl acetate	E

CARCINOGENIC CATEGORIES

- **EPA (Environmental Protection Agency):**

67-64-1	Acetone	I
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- **TLV (Threshold Limit Value established by ACGIH):**

67-64-1	Acetone	A4
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- **NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredients are listed.

15. REGULATORY INFORMATION (CONT.)**GHS LABEL ELEMENTS**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



- **Signal word:** Danger

- **Hazard-determining components of labeling:**

Acetone

- **Hazard statements:**

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Precautionary statements:**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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 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 poison center/doctor if you feel unwell.

15. REGULATORY INFORMATION (CONT.)

P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional national/international regulations.

NATIONAL REGULATIONS

None of the ingredients are listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

DATE OF LAST REVISION / REVISION NUMBER: 08/16/2019 / -

ABBREVIATIONS AND ACRONYMS

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety & Health Administration
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Flam. Liq. 2: Flammable liquids – Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

* Data compared to the previous version altered.