

FS-721 Concentrated Sealer

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Trade Name	F-721 Concentrated Sealer
CAS No.	Mixture

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

Identified Use(s)	Stone Sealant
Uses Advised Against	For Professional Use Only. In spray applications, use a coarse spray device, such as a trigger sprayer or pressurized dispenser, that does not produce respirable fine particles. DO NOT AEROSOLIZE OR ATOMIZE.

Details of the supplier of the safety data sheet

Company Identification	MB Stone Care & Supply, LLC 3195 Airport Blvd Suite G Wilson, NC 27896
Telephone	1-252-674-1828; M-F 8:00 AM-5:30 PM EST
Emergency telephone number Emergency Phone No.	CHEMTREC: 1-800-424-9300 / +1 703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	STOT RE 2; Eye Dam. 1
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Label elements

Hazard Symbol(s)



DANGER

Signal Word(s)

Hazard Statement(s)

Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure: Liver.

Precautionary Statement(s)

Do not breathe mist/vapours/spray.
In case of inadequate ventilation wear respiratory protection.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and exposed skin after use.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
IF INHALED: Get medical advice/attention if you feel unwell. Treat symptomatically.

Other hazards

None

Additional Information

Unlikely to be hazardous by inhalation unless present as an aerosol.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard classification
Substituted alkyl phosphate esters, ammonium salts	5 - 7	ACC# 278978 ACC# 263128 ACC# 265259	Acute Tox. 2; H330 STOT RE 2; H373 Eye Dam. 1:H318

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. – **None**

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. Treat symptomatically.
Skin Contact	Gently wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Ingestion	Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor. Treat symptomatically.
Most important symptoms and effects, both acute and delayed	Causes serious eye damage.
Indication of any immediate medical attention and special treatment needed	If inhaled: Get medical advice/attention if you feel unwell. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media	
-Suitable Extinguishing Media	Non-combustible. As appropriate for surrounding fire.
-Unsuitable Extinguishing Media	None anticipated.
Special hazards arising from the substance or mixture	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	In case of inadequate ventilation wear respiratory protection. Wear protective gloves/eye protection/face protection. Do not breathe mist/vapours/spray.
Environmental precautions	Do not allow to enter drains, sewers or waterways. Avoid release to the environment.
Methods and material for containment and cleaning up	Contain spillages with sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.
Reference to other sections	None
Additional Information	None

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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Use product in a well-ventilated area only. In case of inadequate ventilation wear respiratory protection. Wear protective gloves/eye protection/face protection. Do not breathe mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Store in a well-ventilated place. Keep container tightly closed. Store at temperatures not exceeding 50°C / 122 °F. Do not freeze.

-Incompatible materials

Avoid contact with: Strong oxidising agents and strong reducing agents.

Specific end use(s)

Stone Sealant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

Exposure controls

Appropriate engineering controls

Not normally required.

Personal protection equipment

The following to be used as necessary:

Eye/face protection



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

Skin protection (Hand protection/ Other)



Gloves (Butyl rubber, Neoprene, or Natural rubber). Check with protective equipment manufacturer's data.

Respiratory protection



Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data. In spray applications, use a coarse spray device, such as a trigger sprayer or pressurized dispenser, that does not produce respirable fine particles. **DO NOT AEROSOLIZE OR ATOMIZE.**

Thermal hazards

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or waterways. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Liquid

Color.

Off white

Odor

ammonia-like

Odor Threshold (ppm)

Not available.

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pH (Value)	7 - 9
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	~100
Flash Point (°C)	>200
Evaporation Rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not available.
Vapour pressure (Pascal)	Similar to Water
Vapour Density (Air=1)	Similar to Water
Density (g/ml)	1.07
Solubility (Water)	Dispersible
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available./ Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Do not freeze. Perishable if frozen.
Incompatible materials	Avoid contact with: Strong oxidising agents and strong reducing agents.
Hazardous decomposition product(s)	Decomposes in a fire or at high temperatures giving off toxic fumes: hydrogen fluoride, carbonyl fluorides, other phosphorylated or fluorinated organic compounds, and oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact

Information on toxicological effects

Acute toxicity	Oral: LD50 > 5000 mg/kg (rat) By analogy with similar materials: Dermal: LD50 >5000 mg/kg (rat) By analogy with similar materials: Inhalation (4 hr) Approximate Lethal Concentration: >5 mg/l (rat)
Irritation / Corrosivity	Causes severe eye damage.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	May cause damage to organs through prolonged or repeated exposure: Liver.
Mutagenicity	Not available.
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

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

Developmental Toxicity	Not available.
Toxicity for reproduction	Not available.
Other information	None known.



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SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity:

Acute toxicity LC50 (96 hour): >100 a.i/L (*Green algae*)
EC50 (48 hour): >100 a.i/L (*Daphnia magna*)

Long Term Toxicity Not available.

Persistence and degradability Not readily biodegradable.

Bioaccumulative potential Not available.

Mobility in soil Not available.

Results of PBT and vPvB assessment Not available.

Other adverse effects None known.

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.

Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

	<u>Land transport</u> <u>(U.S. DOT)</u>	<u>Sea transport</u> <u>(IMDG)</u>	<u>Air transport</u> <u>(ICAO/IATA)</u>
UN number			
Proper Shipping Name	Not classified as dangerous for transport.		
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

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 substances listed and active, or exempt. The Substituted alkyl phosphate esters, ammonium salts (ACC#278978, ACC#263128, ACC#265259) in this product are subject to an action under TSCA Section 5(e) Consent Order.

TSCA 12(B): ACC#278978, ACC#263128, ACC#265259 Substituted alkyl phosphate esters, ammonium salts (subject to export notification)

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

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: Refer to SECTION 2 - HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----



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SARA 302 - Extremely Hazardous Substances (40 CFR 355):

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

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16

Date of preparation: July 2, 2021

Hazard Statement(s) Listed in: SECTION 3

H318: Causes serious eye damage.

H330: Fatal if inhaled.

H373: May cause damage to organs through prolonged or repeated exposure: liver.

Training advice: None.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. MB Stone Care & Supply, LLC gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. MB Stone Care & Supply, LLC accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.