

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Product Name / Trade Name	MAC-Guard™ MAC-710 Primer
CAS No.	Mixture

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

Identified Use(s)	Industrial Flooring Resin
Uses Advised Against	None

Details of the supplier of the safety data sheet

Company Identification	Res-Tek, Inc. 110 Riverside Drive Cartersville, Georgia 30120 United States of America
Telephone	1-888-737-8351 / 1-770-427-4034

Emergency telephone number

CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) Flam. Liq. 2; Skin Irrit. 2; Skin Sens. 1; STOT SE 3; STOT RE 2; Carc. 2

Label elements

Hazard Symbol



DANGER

Signal Word(s)

Hazard Statement(s)

Highly flammable liquid and vapor.
Causes skin irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure: liver, kidneys, nose, lung, bone marrow, and mesenteric lymph node.
Suspected of causing cancer.

Precautionary Statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
Take precautionary measures against static discharge.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Use explosion-proof electrical/ventilating/lighting/equipment.

Keep container tightly closed.
Wear protective gloves/eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and exposed skin after use.
Contaminated work clothing should not be allowed out of the workplace.

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

None

Other hazards

Additional Information

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Methyl methacrylate	60 - 80	80-62-6	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335
Proprietary acrylic polymer	10 - 25	Trade Secret	Not classified as dangerous for supply/use.
Proprietary methacrylic acid ester	2 - 6	Trade Secret	Skin Sens. 1B; H317 Aquatic Acute 3; H402
N,N-dimethyl-p-toluidine	<1.5	99-97-8	Acute Tox. 4; H302, H332 Carc. 2; H351 STOT RE 2; H373 Aquatic Acute 3; H402 Aquatic Chronic 3; H412

For full text of H phrases see section 16.

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If symptoms persist, obtain medical attention.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention. Wash contaminated clothing before reuse.
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	Get medical advice/attention if you feel unwell. Treat symptomatically.
Most important symptoms and effects, both acute and delayed	May cause an allergic skin reaction.
Indication of any immediate medical attention and special treatment needed	None anticipated.

Exposure controls

Appropriate engineering controls

Work in well ventilated zones or use proper respiratory protection.

Personal protection equipment

Eye/face protection

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



Skin protection (Hand protection/ Other)

Gloves (Butyl rubber). Check with protective equipment manufacturer's data. Gloves should be changed regularly to avoid permeation problems.



Respiratory protection

In case of inadequate ventilation wear respiratory protection. Air-purifying respirator with organic vapor cartridges may provide sufficient protection. Check with protective equipment manufacturer's data.



Thermal hazards

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color.	Turbid.
Odor	Sweet Ester-like
Odor Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	- 48 (-54 °F)
Boiling point/boiling range (°C):	100 (212 °F)
Flash Point (°C)	9 (48°F)
Evaporation Rate	> 1 (Butyl acetate = 1)
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not available.
Vapour pressure (mmHg)	37.8 @ 20°C
Vapour Density (Air=1)	Not available
Density (g/ml)	0.98 @ 20 °C (8.16 lb/gal @ 20 °C)
Specific Gravity	0.97
Solubility (Water)	Not available.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	430 (806°F)
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt)	~ 20 @ 20 °C (19 Sec. No. 4 ISO Beaker)
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other information

VOC Content: less than 100g/l

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical stability

Stable.

Possibility of hazardous reactions
Conditions to avoid
Incompatible materials
Hazardous decomposition product(s)

Not to be expected.
Incompatible materials.
Strong oxidising agents and amines.
Combustion or thermal decomposition will evolve toxic and irritant vapours; acrid smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Acute toxicity (estimated / calculated)	Oral: LD50: > 2000 mg/kg (rat) Dermal: LD50: > 2000 mg/kg (rat)
Corrosivity / Irritation	Causes skin irritation. May cause respiratory irritation.
Sensitization	May cause sensitization by skin contact.
Repeated dose toxicity	Causes damage to organs through prolonged or repeated exposure: liver, kidney, nose, lung, bone marrow and mesenteric lymph node.
Mutagenicity	Not to be expected.
Carcinogenicity	Suspected of causing cancer. Contains: N,N-dimethyl-p-toluidine (CAS No. 99-97-8, < 1.5 %)

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

* Contains: N,N-dimethyl-p-toluidine (CAS No. 99-97-8, < 1.5 %) which NTP and IARC considers to be carcinogenic to animals, but not yet listed in NTP or IARC Reports on Carcinogens.

Toxicity for reproduction	Not to be expected.
Other information	None.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

2,6-di-tert-butyl-p-cresol CAS No. 128-37-0):

Acute toxicity	LC50 (96 hour): 1.1 mg/l (Fish) EC50 (48 hour): 0.48 mg/l (Daphnia magna)
Long Term Toxicity	NOEC (42 day): 0.053 mg/l (Fish) NOEC (21 day): 0.023 mg/l (Daphnia magna) EC10 (72 hour): 0.4 mg/l (Algae)

Persistence and degradability

Bioaccumulative potential

Mobility in soil

Results of PBT and vPvB assessment

Other adverse effects

Not readily biodegradable.
The product has no potential for bioaccumulation.
The product has low mobility in soil.
Not classified as PBT or vPvB.
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

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	UN 1866	UN 1866	UN 1866
Proper Shipping Name	Resin Solution	Resin Solution	Resin Solution
Transport hazard class(es)	3	3	3
Packing group	II	II	II
Environmental hazards	Yes *	No	No
Special precautions for user	None assigned	None assigned	None assigned

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

* Reportable Quantity (RQ) substance

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)
Methyl methacrylate	80-62-6	70 - 80	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.
Methyl methacrylate	80-62-6	70 - 80

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
N,N-dimethyl-p-toluidine	99-97-8	< 1.5	Cancer

! **WARNING:** This product can expose you to chemicals including N,N-dimethyl-p-toluidine, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 11, 15.

Date of preparation: March 11, 2020

Hazard Statement(s) Listed in: SECTION 3

- H225: Highly flammable liquid and vapor.
- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H351: Suspected of causing cancer.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H402: Harmful to aquatic life.
- H412: Harmful to aquatic life with long lasting effects.

Additional Information: None.

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