

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Product Name / Trade Name	DEK-650 Flexible Membrane
CAS No.	Mixture

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

Identified Use(s)	Industrial Deck 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; Eye Irrit. 2 Skin Sens. 1; STOT SE 3

Label elements

Hazard Symbol



Signal Word(s)

DANGER

Hazard Statement(s)

Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.

Precautionary Statement(s)

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.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/eye protection/face protection..

Wash hands and exposed skin after use.

Contaminated work clothing should not be allowed out of the workplace.

Other hazards

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

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Methyl methacrylate	10-50	80-62-6	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335
Proprietary acrylic polymer	10-50	Trade Secret	STOT SE 3; H335 Eye Irrit. 2A; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411 Aquatic Acute 2; H401
Proprietary Methacrylate Acid Ester	<1	Trade Secret	Aquatic Acute 3; H402
Proprietary Tertiary Amine	<1	Trade Secret	Acute Tox. 4; H302 Eye Irrit. 2A; H319 Skin Irrit. 2; H315 STOT SE 3; H335 Aquatic Acute 3; H402

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.

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.	Blue / Bluish
Odor	Sweet Ester-like
Odor Threshold (ppm)	0.5-1.0.
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) (Closed Cup)
Evaporation Rate	> 1 (Butyl acetate = 1)
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Flammable Lower Limits = 2.1 and Flammable Upper Limits= 12.5 (Methyl methacrylate)
Vapour pressure (mmHg)	37.8 @ 20°C
Vapour Density (Air=1)	Not available
Density (g/ml)	0.96 @ 20 °C (8.1 lb/gal @ 20 °C)
Specific Gravity	0.96
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)	~416 (400@ 20 °C cPs)
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other information

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical stability

Stable.

Possibility of hazardous reactions

Not to be expected.

Conditions to avoid

Incompatible materials.

Incompatible materials

Strong oxidising agents and amines.

Hazardous decomposition product(s)

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. Causes serious eye irritation. May cause respiratory irritation.

Sensitization

May cause sensitization by skin contact.

Repeated dose toxicity

Not to be expected.

Mutagenicity

Not to be expected.

Carcinogenicity

Not to be expected.

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

Toxicity for reproduction

Not to be expected.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

2-ethylhexyl methacrylate (CAS# 688-84-6):

Acute toxicity

LC50 (96 hour): 2.8 mg/l (*oryzias latipes*)
EC50 (48 hour): 4.6 mg/l (*Daphnia magna*)

Long Term Toxicity

Not available.

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

The substance has high potential for bioaccumulation.

Mobility in soil

The substance has low mobility in soil.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

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

	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	10-50	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	10-50

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.	Hazards
Benzene*	71-43-2	Cancer and Reproduction
1,4-Dioxane*	123-91-1	Cancer
Ethylbenzene*	100-41-4	Cancer
Naphthalene*	91-20-3	Cancer
Toluene*	108-88-3	Reproduction

* Trace to none

SECTION 16: OTHER INFORMATION

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

Date of preparation: October 1, 2017

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.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H401: Toxic to aquatic life.

H402: Harmful to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

Additional Information: None.

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