

## 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-680 Wear Coat

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**

Harmful to aquatic life. Harmful 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	10-60	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 substituted tertiary amine	1-5	Trade Secret	Acute Tox. 4; H302 Eye Irrit. 2A; H319 Skin Irrit. 2; H315 STOT SE 3; H335 Aquatic Acute 3; H402
Polyurethane Stabilizer	<1	Trade Secret	Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Aliphatic Urethane Acrylate	<1	Trade Secret	Skin Sens. 1; H317 Aquatic Acute 2; H401 Aquatic Chronic 2; H411
Proprietary Methacrylate Acid Ester	<1	Trade Secret	Aquatic Acute 3; H402
Low aromatic white spirit	<1	Trade Secret	Asp. Tox. 1; H304 STOT SE 3; H335 Skin Irrit. 2; H315 Flam. Liq. 3; H226 Aquatic Acute 2; H401 Aquatic Chronic 2; H411

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.
<b>Most important symptoms and effects, both acute and delayed</b>	May cause an allergic skin reaction.
<b>Indication of any immediate medical attention and special treatment needed</b>	None anticipated.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media	Extinguish with water spray, dry chemical, sand or carbon dioxide.
-Unsuitable Extinguishing Media	None anticipated.

### Special hazards arising from the substance or mixture

None anticipated.

### 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

Eliminate all ignition sources if safe to do so. Put on protective equipment before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

### Environmental precautions

Contain spillages with sand, earth or any suitable adsorbent material. Do not allow to enter drains, sewers or watercourses.

### Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. 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 Additional Information

None  
None

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

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/protective clothing/eye protection/face protection. Wash hands and exposed skin after use. Do not breathe dust / fume / gas / mist / vapors / spray. Contaminated work clothing should not be allowed out of the workplace. Work in well ventilated zones or use proper respiratory protection.

### Conditions for safe storage, including any incompatibilities

-Storage temperature	Store at room temperature. Keep container tightly closed and in a well-ventilated place.
-Incompatible materials	Strong oxidising agents and amines.

## 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)	
Methyl methacrylate	80-62-6	100 ppm	50 ppm	-----	100 ppm	-----

- STEL: Short Term Exposure Limit

#### 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.	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
Vapour pressure (mmHg)	37.8 @ 20°C
Vapour Density (Air=1)	Not available
Density (g/ml)	0.98 @ 20 °C (8.2 lb/gal @ 20 °C)
Specific Gravity	0.98
Solubility (Water)	Not available.

Solubility (Other)  
Partition Coefficient (n-Octanol/water)  
Auto Ignition Point (°C)  
Decomposition Temperature (°C)  
Kinematic Viscosity (cSt)  
Explosive properties  
Oxidizing properties

Not available.  
Not available.  
430 (806°F) (Methyl methacrylate)  
Not available.  
~125 (125 cPs @ 20 °C)  
Not explosive.  
Not oxidizing.

**Other information**

None

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	Not to be expected.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Strong oxidising agents and amines.
<b>Hazardous decomposition product(s)</b>	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 ( <i>oryzias latipes</i> ) EC50 (48 hour): 4.6 mg/l ( <i>Daphnia magna</i> )
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	10-60	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	10-60

### 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.
- H226: Flammable liquid and vapour.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H400: Very toxic to aquatic life.
- H401: Toxic to aquatic life.
- H402: Harmful to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.

**Additional Information:** None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.