

# 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-Guard™ DEK-641 Penetrating 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.
<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.



**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**

	<b>Land transport (U.S. DOT)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	UN 1866	UN 1866	UN 1866
<b>Proper Shipping Name</b>	Resin Solution	Resin Solution	Resin Solution
<b>Transport hazard class(es)</b>	3	3	3
<b>Packing group</b>	II	II	II
<b>Environmental hazards</b>	Yes *	No	No
<b>Special precautions for user</b>	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](http://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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