

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 1 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B

### SECTION 1: Identification

#### Product identifier

**Product name:** 2K MATTE CLEAR HARDENER ACTIVATOR PART B

**Product code:** 44914B; 44916B



#### Recommended use of the product and restriction on use

**Relevant identified uses:** Paints and coatings.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Manufacturer:

##### United States

P.O.R. Products

38 Portman Road

New Rochelle, NY 10801

914-636-0700

#### Emergency telephone number:

##### United States

##### ChemTel Inc.

+1 800 255 3924

+1 813 248 0585

### SECTION 2: Hazard(s) identification

#### GHS classification:

Acute toxicity (inhalation), category 4

Skin sensitization, category 1

Specific target organ toxicity - single exposure, category 3, respiratory irritation

#### Label elements

##### Hazard pictograms:



**Signal word:** Warning

#### Hazard statements:

H332 Harmful if inhaled

H317 May cause an allergic skin reaction

H335 May cause respiratory irritation

#### Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P271 Use only outdoors or in a well-ventilated area

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves/protective clothing/eye protection/face protection

P304+P340+P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell

P321 Specific treatment (see supplemental first aid instructions on this label).

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 2 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B

P363 Wash contaminated clothing before reuse  
P302+P352 If on skin: Wash with soap and water  
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
P405 Store locked up  
P403+P233 Store in a well ventilated place. Keep container tightly closed  
P501 Dispose of contents and container as instructed in Section 13

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 28182-81-2	Hexamethylene diisocyanate, oligomers	>60
CAS number: 822-06-0	Hexamethylene-1,6- Diisocyanate	<0.5
CAS number: 666723-27-9	Cyclohexanamine, N,N-dimethyl-, compds. with 3-(cyclohexylamino)-1-propanesulfonic acid-blocked 1,6-diisocyanatohexane homopolymer	15-25

**Additional Information:** None

## SECTION 4: First aid measures

### Description of first aid measures

#### General notes:

Not determined or not applicable.

#### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position  
Maintain an unobstructed airway  
Get medical advice/attention if you feel unwell  
Take precautions to ensure your own safety  
Remove source of exposure or move person to fresh air  
Get medical advice if you feel unwell or concerned

#### After skin contact:

Rinse affected area with soap and water  
If symptoms develop or persist, seek medical attention

#### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes  
If symptoms develop or persist, seek medical attention

#### After swallowing:

Rinse mouth thoroughly  
Seek medical attention if irritation, discomfort, or vomiting persists

### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

Not determined or not applicable.

#### Delayed symptoms and effects:

Not determined or not applicable.

### Immediate medical attention and special treatment

#### Specific treatment:

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 3 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B

Not determined or not applicable.

### Notes for the doctor:

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

#### Unsuitable extinguishing media:

Not determined or not applicable.

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

### Special precautions:

Not determined or not applicable.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

### Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)

Dispose of contents / container in accordance with local regulations

### Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

### Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 4 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Hexamethylene-1,6- Diisocyanate	822-06-0	ACGIH TLV TWA 0.005 ppm
NIOSH	Hexamethylene-1,6- Diisocyanate	822-06-0	NIOSH REL 0.005 ppm (0.035 mg/m <sup>3</sup> )
	Hexamethylene-1,6- Diisocyanate	822-06-0	NIOSH REL C 0.020 ppm (0.140 mg/m <sup>3</sup> ) [10-min]

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Light Yellow Matte Colored Liquid
Odor	Slight
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	185°C (365°F)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 5 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B

Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	1.15 g/mL
Relative density	Not determined or not available.
Solubilities	Insoluble in water.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	800 cP
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

### Other information

VOC Content - Part B	1 g/L (Theoretical)
VOC Content as applied	5 g/L (Theoretical)
Recommended Storage Temperature	40°F - 90°F
Recommended Shelf Life	Unopened, 3 Years
Wt./Gal	9.60 lb

## SECTION 10: Stability and reactivity

### Reactivity:

Does not react under normal conditions of use and storage.

### Chemical stability:

Stable under normal conditions of use and storage.

### Possibility of hazardous reactions:

None under normal conditions of use and storage.

### Conditions to avoid:

None known.

### Incompatible materials:

None known.

### Hazardous decomposition products:

None known.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Harmful if inhaled

**Product data:** No data available.

### Substance data:

Name	Route	Result
Hexamethylene-1,6-Diisocyanate	inhalation	LC50 - Rat - 124 mg/m <sup>3</sup> - 4h

### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 6 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B

No data available.

### Substance data:

Name	Result
Hexamethylene-1,6-Diisocyanate	Irritating to the skin.

### Serious eye damage/irritation

**Assessment:** Based on available data, the classification criteria are not met.

### Product data:

No data available.

### Substance data:

Name	Result
Hexamethylene-1,6-Diisocyanate	Irritating effect on the eyes.

### Respiratory or skin sensitization

**Assessment:** May cause an allergic skin reaction

### Product data:

No data available.

### Substance data:

Name	Result
Hexamethylene diisocyanate, oligomers	Sensitization possible through skin contact.
Hexamethylene-1,6-Diisocyanate	Sensitization possible through skin and respiratory contact.
Cyclohexanamine, N,N-dimethyl-, compds. with 3-(cyclohexylamino)-1-propanesulfonic acid-blocked 1,6-diisocyanatohexane homopolymer	Sensitization possible through skin contact.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

### Product data:

No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

### Product data:

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 7 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B

**Assessment:** May cause respiratory irritation

**Product data:**

No data available.

**Substance data:**

Name	Result
Hexamethylene-1,6-Diisocyanate	Component affects the respiratory system.
Cyclohexanamine, N,N-dimethyl-, compds. with 3-(cyclohexylamino)-1-propanesulfonic acid-blocked 1,6-diisocyanatohexane homopolymer	May cause respiratory irritation through single exposure.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Chronic (long-term) toxicity

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 8 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B


### SECTION 13: Disposal considerations

#### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

### SECTION 14: Transport information

#### United States Transportation of dangerous goods (49 CFR DOT)

UN number	NA 3082
UN proper shipping name	Other regulated substances, liquid, n.o.s. (Hexamethylene-1,6-Diisocyanate)
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	None
Special precautions for user	None
Reportable quantity	9074 kg (20005 lb)
Passenger air/rail	No limit
Cargo aircraft only	No limit
Stowage category	A
Additional Information	When in individual containers of less than the Product RQ, this material ships as non-regulated.

#### International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### SECTION 15: Regulatory information

#### United States regulations

##### Inventory listing (TSCA):

28182-81-2	Hexamethylene diisocyanate, oligomers	Listed
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# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.31.2018

Page 9 of 9

## 2K MATTE CLEAR HARDENER ACTIVATOR PART B

822-06-0	Hexamethylene-1,6- Diisocyanate	Listed
666723-27-9	Cyclohexanamine, N,N-dimethyl-, compds. with 3-(cyclohexylamino)-1-propanesulfonic acid-blocked 1,6-diisocyanatohexane homopolymer	Listed

**Significant New Use Rule (TSCA Section 5):** Not determined.

**Export notification under TSCA Section 12(b):** Not determined.

**SARA Section 302 extremely hazardous substances:** Not determined.

**SARA Section 313 toxic chemicals:**

822-06-0	Hexamethylene-1,6- Diisocyanate	Not Listed
666723-27-9	Cyclohexanamine, N,N-dimethyl-, compds. with 3-(cyclohexylamino)-1-propanesulfonic acid-blocked 1,6-diisocyanatohexane homopolymer	Not Listed

**CERCLA:** Not determined.

**RCRA:** Not determined.

**Section 112(r) of the Clean Air Act (CAA):** Not determined.

**Massachusetts Right to Know:**

822-06-0	Hexamethylene-1,6- Diisocyanate	Listed
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**New Jersey Right to Know:**

822-06-0	Hexamethylene-1,6- Diisocyanate	Listed
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**New York Right to Know:**

822-06-0	Hexamethylene-1,6- Diisocyanate	Listed
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**Pennsylvania Right to Know:**

822-06-0	Hexamethylene-1,6- Diisocyanate	Listed
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**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 2-0-0

**HMIS:** 2-0-0

**Initial preparation date:** 01.31.2018

**End of Safety Data Sheet**