

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

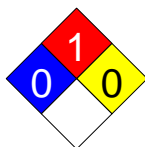
1 Identification

- **Trade name:** **KEMPEROL® 2K-PUR Waterproofing Component A**
- **Article number:** 2K-PUR COMP A, 2K A MIX
- **MSDS Number:** 9
- **UPC bar code(s):** 12205 5, 12200 0, 12235 2
- **Relevant identified uses of the substance:** Interior and exterior waterproofing.
- **Manufacturer/Supplier:**
Kemper System America Inc.
1200 North America Dr.
West Seneca, NY 14224
USA
- **Information department:**
Tel: (716) 558-2971 ext. 228
www.kempersystem.net
- **Emergency telephone number:**
ChemTrec (800) 424-9300
Canada only: CANUTEC (Call collect) (613) 996-6666



2 Hazard(s) identification

- **Classification of the substance or mixture:**
This product is not classified as hazardous according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Not Available
- **Signal word:** Not Available
- **Hazard statements:** Not Available
- **NFPA ratings (scale 0 - 4):**



Health = 0
Fire = 1
Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

21645-51-2	aluminium hydroxide	25-30%
------------	---------------------	--------

- **Additional information:** Exact concentrations are being withheld as trade secrets.

4 First-aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed:**
No further relevant information available.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component A

(Contd. of page 1)

- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections:**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

21645-51-2 aluminium hydroxide

EL Long-term value: 10 mg/m ³
--

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves:**
Protective gloves not normally required. People with sensitive skin may prefer to wear water-proof gloves, such as rubber or neoprene, to avoid skin contact.

(Contd. on page 3)

CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component A

(Contd. of page 2)

- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· Form:	Fluid
· Color:	According to product specification
· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Not determined.
· Flash point:	> 100 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	> 450 °C
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C:	1 hPa
· Density at 20 °C:	1.246 g/cm ³
· Relative density:	Not determined.
· Vapour density:	Not determined.
· Evaporation rate:	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
	Not applicable.
Kinematic:	Not determined.
	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.

(Contd. on page 4)

CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component A

(Contd. of page 3)

- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects:** Not available
- **Acute toxicity**
- **Specific symptoms in biological assay:** No further relevant information available.
- **Primary irritant effect**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

1318-02-1	Zeolite powder 3 A	3
60676-86-0	Silica, fused	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.

(Contd. on page 5)

CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component A

(Contd. of page 4)

- **Uncleaned packagings**

- **Recommendation:**

Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

14 Transport information

- **UN-Number**
- **DOT, TDG, ADN, IMDG, IATA** Not regulated

- **UN proper shipping name**
- **DOT, TDG, ADN, IMDG, IATA** Not regulated

- **Transport hazard class(es)**
- **DOT, TDG, ADN, IMDG, IATA**
- **Class** Not regulated

- **Packing group**
- **DOT, TDG, IMDG, IATA** Not regulated

- **Environmental hazards:**
- **Marine pollutant:** No

- **Special precautions for user:** Not applicable.

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

- **UN "Model Regulation":** -

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

1308-38-9 dichromium trioxide

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component A

(Contd. of page 5)

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency):**

1308-38-9	dichromium trioxide	D, CBD
-----------	---------------------	--------

- **TLV (Threshold Limit Value established by ACGIH):**

1308-38-9	dichromium trioxide	A4
-----------	---------------------	----

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

60676-86-0	Silica, fused
------------	---------------

- **Canadian substance listings**

- **Canadian Domestic Substances List (DSL):**

8001-79-4	Castor oil
21645-51-2	aluminium hydroxide
	Nonhazardous material
1318-02-1	Zeolite powder 3 A
67762-90-7	Siloxanes and Silicones, di-Me, reaction products with silica
8012-95-1	White Oil
1308-38-9	dichromium trioxide
60676-86-0	Silica, fused
109-02-4	4-methylmorpholine
122-20-3	1,1',1''-nitriлотripropan-2-ol
7440-06-4	platinum

- **Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%):**

8001-79-4	Castor oil
-----------	------------

- **GHS label elements** Not Available
- **Hazard pictograms** Not Available
- **Signal word** Not Available
- **Hazard statements** Not Available

16 Other information

This MSDS format meets ANSI Z400.1-1998, OSHA 1910.1200 and WHMIS requirements. Kemper System America, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of Kemper System America, Inc. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made. Kemper System America, Inc is an ISO 9001:2008 and ISO 14001:2004 registered company.

- **Department issuing MSDS:** Product safety department
- **Contact:** Stephen Nowicki
- **Date of preparation / last revision** 01/14/2015 / 9
- **Abbreviations and acronyms:**
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists

(Contd. on page 7)

CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component A

(Contd. of page 6)

EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)

CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

1 Identification

- **Trade name:** **KEMPEROL® 2K-PUR Waterproofing Component B**
- **Article number:** 2K-PUR COMP B, 2K COMP B
- **MSDS Number:** 11
- **UPC bar code(s):** 12205 5, 12200 0, 12235 2
- **Relevant identified uses of the substance:** Interior and exterior waterproofing
- **Manufacturer/Supplier:**
Kemper System America Inc.
1200 North America Dr.
West Seneca, NY 14224
USA
- **Information department:**
Tel: (716) 558-2971 ext. 228
www.kempersystem.net
- **Emergency telephone number:**
ChemTrec (800) 424-9300
Canada only: CANUTEC (Call collect) (613) 996-6666



2 Hazard(s) identification

- **Classification of the substance or mixture:**



GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.
 Skin Irrit. 2 H315 Causes skin irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 STOT SE 3 H335 May cause respiratory irritation.

Eye Irrit. 2B H320 Causes eye irritation.

- **Additional information:**

At temperatures up to 77°F (25°C), this product does not emit sufficient vapors to pose a respiratory hazard when used as directed. Above this temperature, concentrations may become hazardous in enclosed spaces. Ventilation using open windows, fans, or other means of creating airflow is typically a sufficient engineering control to maintain adequate ventilation at working temperatures.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Signal word:** Danger

- **Hazard-determining components of labeling:**

diphenylmethanediisocyanate, isomers and homologues
 4,4'-methylenediphenyl diisocyanate
 o-(p-isocyanatobenzyl)phenyl isocyanate

- **Hazard statements:**

Harmful if inhaled.
 Causes skin and eye irritation.
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

(Contd. on page 2)

CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component B

(Contd. of page 1)

May cause an allergic skin reaction.

May cause respiratory irritation.

· **Precautionary statements:**

Wear respiratory protection.

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

Wear protective gloves.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

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

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Specific treatment (see on this label).

If experiencing respiratory symptoms: Call a poison center/doctor.

IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of soap and water.

Take off contaminated clothing and wash it before reuse.

Store in a well-ventilated place. Keep container tightly closed.

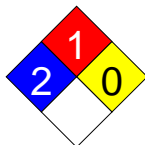
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **WHMIS-symbols:**

D2A - Very toxic material causing other toxic effects



· **NFPA ratings (scale 0 - 4):**



Health = 2

Fire = 1

Reactivity = 0

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	30-60%
101-68-8	4,4'-methylenediphenyl diisocyanate	30-60%
5873-54-1	o-(p-isocyanatobenzyl)phenyl isocyanate	10-13%

· **Additional information:** Exact concentrations are being withheld as trade secrets.

4 First-aid measures

· **General information:** Symptoms of poisoning may even occur after several hours.

· **After inhalation:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor if you feel unwell or are experiencing respiratory symptoms.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component B

(Contd. of page 2)

- **After skin contact:**
Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- **After 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.
- **After swallowing:** If swallowed, do not induce vomiting. Get medical attention right away.
- **Most important symptoms and effects, both acute and delayed:**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** See below:
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 4)

-CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component B

(Contd. of page 3)

· Components with limit values that require monitoring at the workplace:

101-68-8 4,4'-methylenediphenyl diisocyanate

EL Long-term value: 0.005 ppm
Ceiling limit value: 0.01 ppm
Skin; S

EV Long-term value: 0.005 ppm
Ceiling limit value: 0.02 ppm

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves:**

Nitrile rubber, NBR
Natural rubber, NR

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· Form:	Fluid
· Color:	According to product specification
· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 350 °C
· Flash point:	> 200 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	400 °C

(Contd. on page 5)

CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: **KEMPEROL® 2K-PUR Waterproofing Component B**

(Contd. of page 4)

· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits	
Lower:	0.4 Vol %
Upper:	Not determined.
· Vapor pressure:	Not determined. Not applicable.
· Density at 20 °C:	1.24 g/cm ³
· Relative density:	Not determined.
· Vapour density:	Not determined.
· Evaporation rate:	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined. Not applicable.
Kinematic:	Not determined. Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects:**
- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

101-68-8 4,4'-methylenediphenyl diisocyanate

Oral	LD50	2200 mg/kg (mouse)
------	------	--------------------

- **Specific symptoms in biological assay:** No further relevant information available.
- **Primary irritant effect**
- **on the skin:** Irritant to skin and mucous membranes.

(Contd. on page 6)

-CA-

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component B

(Contd. of page 5)

- **on the eye:** Irritating effect.
- **Sensitization:**
Sensitization possible through inhalation.
Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	3
101-68-8	4,4'-methylenediphenyl diisocyanate	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**
- **Recommendation:**
Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

14 Transport information

- **UN-Number**
- **DOT, TDG, ADN, IMDG, IATA** Not regulated

(Contd. on page 7)

CA

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: **KEMPEROL® 2K-PUR Waterproofing Component B**

(Contd. of page 6)

- | | |
|---|-----------------|
| · UN proper shipping name | |
| · DOT, TDG, ADN, IMDG, IATA | Not regulated |
| · Transport hazard class(es) | |
| · DOT, TDG, ADN, IMDG, IATA | |
| · Class | Not regulated |
| · Packing group | |
| · DOT, TDG, IMDG, IATA | Not regulated |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user: | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· Section 355 (extremely hazardous substances):
--

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
--

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	
-----------	--	--

101-68-8	4,4'-methylenediphenyl diisocyanate	
----------	-------------------------------------	--

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:
--

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
--

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency):

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	CBD
-----------	--	-----

101-68-8	4,4'-methylenediphenyl diisocyanate	D, CBD
----------	-------------------------------------	--------

· TLV (Threshold Limit Value established by ACGIH):
--

None of the ingredients is listed.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component B

(Contd. of page 7)

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

· **Canadian substance listings**

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%):**

101-68-8 | 4,4'-methylenediphenyl diisocyanate

· **Canadian Ingredient Disclosure list (limit 1%):**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

diphenylmethanediisocyanate, isomeres and homologues

4,4'-methylenediphenyl diisocyanate

o-(p-isocyanatobenzyl)phenyl isocyanate

· **Hazard statements**

Harmful if inhaled.

Causes skin and eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause respiratory irritation.

· **Precautionary statements**

Wear respiratory protection.

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

Wear protective gloves.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

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

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Specific treatment (see on this label).

If experiencing respiratory symptoms: Call a poison center/doctor.

IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of soap and water.

Take off contaminated clothing and wash it before reuse.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

CA

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS & WHMIS

Printing date 01/14/2015

Reviewed on 01/14/2015

Trade name: KEMPEROL® 2K-PUR Waterproofing Component B

(Contd. of page 8)

16 Other information

This MSDS format meets ANSI Z400.1-1998, OSHA 1910.1200 and WHMIS requirements. Kemper System America, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of Kemper System America, Inc. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made. Kemper System America, Inc is an ISO 9001:2008 and ISO 14001:2004 registered company.

- **Department issuing MSDS:** Product safety department
- **Contact:** Stephen Nowicki
- **Date of preparation / last revision** 01/14/2015 / 4

- **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

CA