



# DRY FIX® UNI - A component

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 10/30/2024 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : DRY FIX® UNI - A component

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Universal primer for elastic repair compound  
Use of the substance/mixture : Product only to be used in combination with component B.

#### 1.3. Supplier

Repair Care International LLC,  
228 East 45th Street, Suite 9E  
New York, NY 10017  
[supportus@repair-care.com](mailto:supportus@repair-care.com) - [www.repair-care.com](http://www.repair-care.com)

#### 1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
United States	CHEMTREC®   American Chemistry Council	3130 Fairview Park Drive   Falls Church, VA   22042	1-800-424-9300 (toll free) +1 703-527-3887 (local)	Only for medical emergencies.

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin corrosion/irritation Category 2 H315 Causes skin irritation  
Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage  
Skin sensitization, Category 1 H317 May cause an allergic skin reaction  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage

Precautionary statements (GHS US) : P261 - Avoid breathing vapors, mist.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear eye protection, protective gloves, protective clothing.  
P302+P352 - If on skin: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a poison center or doctor.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Wash contaminated clothing before reuse.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	GHS US classification
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	CAS-No.: 25085-99-8	50 – 70	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	CAS-No.: 68609-97-2	15 – 20	Skin Irrit. 2, H315 Skin Sens. 1, H317
1,6-bis(2,3-Epoxypropoxy)hexane	CAS-No.: 16096-31-4	15 – 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
2-phenoxyethanol	CAS-No.: 122-99-6	< 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT SE 3, H335
2-(2-phenoxyethoxy)ethanol	CAS-No.: 104-68-7	2 – 5	Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting without medical advice. If inhaled, call a doctor.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Presents no particular fire or explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO2).

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapors, mist.
General measures	: Avoid contact with spilled material. Spilled material may present a slipping hazard.

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### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see item 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapors, mist.
- Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Avoid extremely high (> 50 ° C) or low (<5 ° C) temperatures.
- Incompatible products : Strong acids. Oxidizing agents. Alkalines.
- Storage temperature : 20 °C (± 10°C)
- Heat-ignition : Keep away from heat and direct sunlight.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Protective clothing. Gloves. Safety glasses.

<b>Hand protection:</b>				
Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent)				
<b>Type</b>	<b>Material</b>	<b>Permeation</b>	<b>Thickness (mm)</b>	<b>Penetration</b>
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.11	
<b>Eye protection:</b>				
Safety glasses. DIN EN 166				
<b>Type</b>		<b>Field of application</b>	<b>Characteristics</b>	
Protective goggles		Droplet	With side shields	
<b>Skin and body protection:</b>				
Long sleeved protective clothing in accordance with OSHA's personal protective equipment (29 CFR 1910.132)				
<b>Respiratory protection:</b>				
No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment				

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### Personal protective equipment symbol(s):



### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: < 0 °C
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: > 100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: > 1 (air=1)
Relative density	: 1.08 (Water=1)
Solubility	: Poorly soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

Additional information : Does not contain volatile organic compounds.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of storage and transport. During use the product shows a mild exothermic reaction under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid extremely high (> 50 °C) or low (<5 °C) temperatures.

### 10.5. Incompatible materials

Strong acid. Oxidizing agents. Alkalines.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Combustion generates: Carbon oxides (CO, CO<sub>2</sub>).

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	
LD50 oral rat	≈ 26800 mg/kg
LD50 dermal rabbit	> 4000 mg/kg

2-phenoxyethanol (122-99-6)	
LD50 oral rat	1394 mg/kg
ATE US (oral)	1394 mg/kg body weight

2-(2-phenoxyethoxy)ethanol (104-68-7)	
LD50 oral rat	3526 mg/kg
LD50 dermal rat	> 5000 mg/kg
ATE US (oral)	3526 mg/kg body weight

1,6-bis(2,3-Epoxypropoxy)hexane (16096-31-4)	
LD50 oral rat	3010 mg/kg
LD50 dermal rat	> 2000 mg/kg/d
ATE US (oral)	3010 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

2-phenoxyethanol (122-99-6)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

DRY FIX® UNI - A component	
Persistence and degradability	Biodegradability in water: no data available.

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	
Persistence and degradability	Readily biodegradable.

2-phenoxyethanol (122-99-6)	
Persistence and degradability	Readily biodegradable.

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2-(2-phenoxyethoxy)ethanol (104-68-7)	
Persistence and degradability	Readily biodegradable.
1,6-bis(2,3-Epoxypropoxy)hexane (16096-31-4)	
Persistence and degradability	Biodegradability in water: no data available.
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers (25085-99-8)	
Persistence and degradability	Biodegradability in water: no data available.
12.3. Bioaccumulative potential	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	
Partition coefficient n-octanol/water (Log Pow)	3.77 (20 °C)
2-phenoxyethanol (122-99-6)	
Partition coefficient n-octanol/water (Log Pow)	1.2 (23 °C)
2-(2-phenoxyethoxy)ethanol (104-68-7)	
Partition coefficient n-octanol/water (Log Pow)	1.35 (20 °C; pH 7)
1,6-bis(2,3-Epoxypropoxy)hexane (16096-31-4)	
Partition coefficient n-octanol/water (Log Pow)	0.822 (20 °C; pH 6 - 8)
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

SECTION 14: Transport information			
In accordance with DOT / TDG / IMDG / IATA			
DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			
14.6. Special precautions for user			
DOT			
Not regulated			

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**TDG**

Not regulated

**IMDG**

Not regulated

**IATA**

Not regulated

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory		
Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S		
1,6-bis(2,3-Epoxypropoxy)hexane	CAS-No. 16096-31-4	15 – 20%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.		
2-nitrophenol	CAS-No. 88-75-5	0.001 – 0.01%

**15.2. International regulations**

No additional information available

**15.3. US State regulations**

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
2-nitrophenol(88-75-5)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

**SECTION 16: Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Data sources	: Supplier's safety documents. according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.
Other information	: <b>DISCLAIMER OF LIABILITY</b> The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of hazard classes and H-statements	
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation

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Full text of hazard classes and H-statements	
H320	Causes eye irritation
H335	May cause respiratory irritation

Abbreviations and acronyms	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
GHS	GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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# DRY FIX® UNI - B component

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : DRY FIX® UNI - B component

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Universal primer for elastic repair compound  
Use of the substance/mixture : Product only to be used in combination with component A.

#### 1.3. Supplier

Repair Care International LLC,  
228 East 45th Street, Suite 9E  
New York, NY 10017  
[supportus@repair-care.com](mailto:supportus@repair-care.com) - [www.repair-care.com](http://www.repair-care.com)

#### 1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
United States	CHEMTREC®   American Chemistry Council	3130 Fairview Park Drive   Falls Church, VA   22042	1-800-424-9300 (toll free) +1 703-527-3887 (local)	Only for medical emergencies.

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Acute toxicity (oral) Category 4 H302 Harmful if swallowed  
Skin corrosion/irritation Category 1C H314 Causes severe skin burns and eye damage  
Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage

Precautionary statements (GHS US) : P260 - Do not breathe vapors, mist.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves, protective clothing, eye protection.  
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.  
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a poison center or doctor.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P330 - Rinse mouth.  
P363 - Wash contaminated clothing before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	GHS US classification
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	CAS-No.: 9046-10-0	50 – 70	Skin Corr. 1C, H314 Eye Dam. 1, H318
2,4,6-tris(dimethylaminomethyl)phenol	CAS-No.: 90-72-2	2 – 20	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318
formaldehyde, polymer with n,n-dimethyl-1,3-propanediamine and phenol	CAS-No.: 445498-00-0	5 – 10	Acute Tox. 4 (Oral), H302
2-phenoxyethanol	CAS-No.: 122-99-6	< 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT SE 3, H335
2,2',2''-nitrioltriethanol	CAS-No.: 102-71-6	5 – 10	Not classified
2-(2-phenoxyethoxy)ethanol	CAS-No.: 104-68-7	3 – 5	Eye Dam. 1, H318
Bis[(dimethylamino)methyl]phenol	CAS-No.: 71074-89-0	< 3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Pay attention to self-protection!. First aid personnel should wear appropriate protective equipment during any rescue. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Get immediate medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Presents no particular fire or explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO2).

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapors, mist.
- General measures : Avoid contact with spilled material. Spilled material may present a slipping hazard.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapors, mist. Avoid the spillage or runoff entering drains, sewers or watercourses.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage. Prevent migration and entry into sewers or streams.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Store away from other materials. Collect all waste in suitable and labeled containers and dispose according to local regulation.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see item 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapors, mist. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool well ventilated place. Avoid extremely high (> 50 ° C) or low (<5 ° C) temperatures. Keep container closed when not in use. Store locked up.
- Incompatible products : Acids.
- Storage temperature : 20 °C (± 10°C)
- Heat-ignition : Keep away from heat and direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

2,2',2''-nitrioltriethanol (102-71-6)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Triethanolamine
ACGIH OEL TWA	5 mg/m³
Remark (ACGIH)	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2024

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure
- Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Protective clothing. Gloves. Safety glasses.

Hand protection:				
Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent)				
Type	Material	Permeation	Thickness (mm)	Penetration
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.11	

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<b>Eye protection:</b>		
Safety glasses. Standard EN 166 - Personal eye-protection - specifications		
<b>Type</b>	<b>Field of application</b>	<b>Characteristics</b>
Protective goggles	Droplet	With side shields
<b>Skin and body protection:</b>		
Long sleeved protective clothing in accordance with OSHA's personal protective equipment (29 CFR 1910.132)		
<b>Respiratory protection:</b>		
No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation		

### Personal protective equipment symbol(s):



### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: < 0 °C
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: > 100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: > 1 (air=1)
Relative density	: 0.99 (Water=1)
Solubility	: In water, material is partially soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

Additional information	: Does not contain volatile organic compounds.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of storage and transport. During use the product shows a mild exothermic reaction under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid extremely high (> 50 ° C) or low (<5 ° C) temperatures.

### 10.5. Incompatible materials

Acids.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Combustion generates: Carbon oxides (CO, CO2). Corrosive vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.  
 Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
 Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

DRY FIX® UNI - B component	
ATE US (oral)	1637.402 mg/kg body weight
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia (9046-10-0)	
LD50 oral rat	2885 mg/kg
LD50 dermal rabbit	2980 mg/kg
LC50 Inhalation - Rat	> 0.74 mg/l
ATE US (oral)	2885 mg/kg body weight
ATE US (dermal)	2980 mg/kg body weight
Bis[(dimethylamino)methyl]phenol (71074-89-0)	
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
formaldehyde, polymer with n,n-dimethyl-1,3-propanediamine and phenol (445498-00-0)	
ATE US (oral)	500 mg/kg body weight
2,2',2''-nitrilotriethanol (102-71-6)	
LD50 oral rat	6400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	6400 mg/kg body weight
2-phenoxyethanol (122-99-6)	
LD50 oral rat	1394 mg/kg
ATE US (oral)	1394 mg/kg body weight
2-(2-phenoxyethoxy)ethanol (104-68-7)	
LD50 oral rat	3526 mg/kg
LD50 dermal rat	> 5000 mg/kg
ATE US (oral)	3526 mg/kg body weight
2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
LD50 oral rat	1673 mg/kg
ATE US (oral)	1673 mg/kg body weight
Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)

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Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

2,2',2''-nitrilotriethanol (102-71-6)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

Bis[(dimethylamino)methyl]phenol (71074-89-0)	
STOT-single exposure	May cause respiratory irritation.

2-phenoxyethanol (122-99-6)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)  
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)  
Viscosity, kinematic : No data available  
Symptoms/effects after skin contact : Burns.  
Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : Burns.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

#### DRY FIX® UNI - B component

Persistence and degradability	Biodegradability in water: no data available.
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#### Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia (9046-10-0)

Persistence and degradability	Not readily biodegradable.
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#### Bis[(dimethylamino)methyl]phenol (71074-89-0)

Persistence and degradability	Biodegradability in water: no data available.
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#### formaldehyde, polymer with n,n-dimethyl-1,3-propanediamine and phenol (445498-00-0)

Persistence and degradability	Biodegradability in water: no data available.
-------------------------------	---

#### 2,2',2''-nitrilotriethanol (102-71-6)

Persistence and degradability	Readily biodegradable.
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#### 2-phenoxyethanol (122-99-6)

Persistence and degradability	Readily biodegradable.
-------------------------------	------------------------

#### 2-(2-phenoxyethoxy)ethanol (104-68-7)

Persistence and degradability	Readily biodegradable.
-------------------------------	------------------------

#### 2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

Persistence and degradability	Not readily biodegradable.
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### 12.3. Bioaccumulative potential

#### Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia (9046-10-0)

Partition coefficient n-octanol/water (Log Pow)	1.34 (25 °C)
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#### 2-phenoxyethanol (122-99-6)

Partition coefficient n-octanol/water (Log Pow)	1.2 (23 °C)
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### 2-(2-phenoxyethoxy)ethanol (104-68-7)

Partition coefficient n-octanol/water (Log Pow) 1.35 (20 °C; pH 7)

### 2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

Partition coefficient n-octanol/water (Log Pow) 0.219 (21,5 °C)

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations





### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Ecological waste information : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
2735	UN2735	2735	2735
<b>14.2. Proper Shipping Name</b>			
Amines, liquid, corrosive, n.o.s. (CONTAINS : Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia)	Amines, liquid, corrosive, n.o.s. (CONTAINS : Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia)
<b>Transport document description</b>			
UN2735 Amines, liquid, corrosive, n.o.s. (CONTAINS : Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia), 8, III	UN2735 AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia), 8, III	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia), 8, III	UN 2735 Amines, liquid, corrosive, n.o.s. (CONTAINS : Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia), 8, III
<b>14.3. Transport hazard class(es)</b>			
8	8	8	8
			
<b>14.4. Packing group</b>			
III	III	III	III
<b>14.5. Environmental hazards</b>			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			
<b>14.6. Special precautions for user</b>			
DOT			
UN-No.(DOT) : UN2735			

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DOT Special Provisions (49 CFR 172.102)	: IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 52 - Stow “separated from” acids

### **TDG**

UN-No. (TDG)	: UN2735
TDG Special Provisions	: 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS.
Explosive Limit and Limited Quantity Index	: 5 L
Excepted quantities (TDG)	: E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 5 L
Emergency Response Guide (ERG) Number	: 153

### **IMDG**

Special provision (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES



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Stowage category (IMDG)	: A
Segregation (IMDG)	: SGG18, SG35
Properties and observations (IMDG)	: Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

IATA	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provision (IATA)	: A3, A803
ERG code (IATA)	: 8L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
2,2',2"-nitriiotriethanol(102-71-6)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Data sources	: Supplier's safety documents. according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations.
Other information	: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of hazard classes and H-statements	
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

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Abbreviations and acronyms	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
GHS	GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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