



## NEW LIFE PRODUCTS & EQUIPMENT

### COMPANY

#### Safety Data Sheet DOT – Pothole Filler® Cleaner

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#### SECTION 1: Identification

##### Product identifier

Product name	<b>DOT – Pothole Filler® Cleaner</b>
Product number	789-9505
Brand	NLP&E

##### Recommended use of the chemical and restrictions on use

Used for cleaning DOT – Pothole Filler® materials and equipment.

##### Supplier's details

Name	New Life Products & Equipment Company
Address	4811 Grisham Drive Rowlett, TX 75088 USA
Telephone	469-366-9218
Fax	469-366-9219
email	pothole2014@gmail.com

Emergency phone number(s)	<b>INFOTRAC - 800-535-5053</b> <b>OUTSIDE UNITED STATES CALL COLLECT 1-352-323-3500</b>
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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

- Flammable liquids (chapter 2.6), Cat. 3
- Acute toxicity (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2
- Aspiration hazard (chapter 3.10), Cat. 1
- Flammable liquids (chapter 2.6), Cat. 2

##### GHS label elements, including precautionary statements

# Safety Data Sheet

## ARC Cleaning Solvent

### Pictogram



### Hazard statement(s)

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

### Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: See section 5 SDS.
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with Federal, State, and Local regulations.
P264	Wash thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a doctor if you feel unwell.
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.
P321	Specific treatment (see SDS).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P273	Avoid release to the environment.
P391	Collect spillage.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.

### Other hazards which do not result in classification

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## SECTION 3: Composition/information on ingredients

# Safety Data Sheet

## ARC Cleaning Solvent

### Mixtures

#### Hazardous components

##### 1. Component 1 (trade secret)

Concentration 10 - 35 % (Weight)

- Flammable liquids (chapter 2.6), Cat. 3
- Acute toxicity (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2

H226	Flammable liquid and vapor
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

##### 2. Component 2 (trade secret)

Concentration 10 - 20 % (Weight)

##### 3. Component 3 (trade secret)

Concentration 5 - 10 % (Weight)

- Flammable liquids (chapter 2.6), Cat. 3
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2

H226	Flammable liquid and vapor
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

##### 4. Component 4 (trade secret)

Concentration 3 - 9 % (Weight)

##### 5. Component 5 (trade secret)

Concentration 3 - 9 % (Weight)

##### 6. Component 6 (trade secret)

Concentration 2 - 8 % (Weight)

- Flammable liquids (chapter 2.6), Cat. 3
- Acute toxicity (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 2

H226	Flammable liquid and vapor
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled

##### 7. Component 7 (trade secret)

Concentration 3 - 7 % (Weight)

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## ARC Cleaning Solvent

- Flammable liquids (chapter 2.6), Cat. 3
- Aspiration hazard (chapter 3.10), Cat. 1
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2

H226 Flammable liquid and vapor  
H304 May be fatal if swallowed and enters airways  
H335 May cause respiratory irritation  
H411 Toxic to aquatic life with long lasting effects

### 8. Component 8 (trade secret)

Concentration 3 - 7 % (Weight)

### 9. Component 9 (trade secret)

Concentration 1 - 2 % (Weight)

- Flammable liquids (chapter 2.6), Cat. 3
- Aspiration hazard (chapter 3.10), Cat. 1
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 2

H226 Flammable liquid and vapor  
H304 May be fatal if swallowed and enters airways  
H335 May cause respiratory irritation  
H411 Toxic to aquatic life with long lasting effects

### 10. Component 10 (trade secret)

Concentration <= 0.5 % (Weight)

- Flammable liquids (chapter 2.6), Cat. 2
- Acute toxicity (chapter 3.1), Cat. 4

H225 Highly flammable liquid and vapor  
H332 Harmful if inhaled

### 11. Aromatic Hydrocarbons

Concentration <= 25 % (Weight)

### Trade secret statement (OSHA 1910.1200(i))

Specific chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret.

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.
If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
In case of skin contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

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## ARC Cleaning Solvent

In case of 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.
If swallowed	Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

Symptoms/injuries:	Causes damage to organs.
Symptoms/injuries after inhalation:	Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact:	Causes skin irritation.
Symptoms/injuries after eye contact:	Causes serious eye irritation.
Symptoms/injuries after ingestion:	May be fatal if swallowed and enters airways.

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand. Do not use a heavy water stream.

### Specific hazards arising from the chemical

Fire hazard:	Flammable liquid and vapor.
Explosion hazard:	May form flammable/explosive vapor-air mixture.

### Special protective actions 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 enter fire area without proper protective equipment, including respiratory protection.

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## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Evacuate unnecessary personnel. Ventilate area.

### Methods and materials for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### Reference to other sections

See section 8. Exposure controls/personal protection.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No bare lights. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle empty containers with care because residual vapors are flammable.

# Safety Data Sheet

## ARC Cleaning Solvent

### Conditions for safe storage, including any incompatibilities

Technical measures:	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment.
Storage conditions:	Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.
Incompatible products:	Strong bases. Strong acids.
Incompatible materials:	Sources of ignition. Direct sunlight. Heat sources.

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## SECTION 8: Exposure controls/personal protection

### Control parameters

#### 1. Component 6 (trade secret)

PEL (Inhalation): 100 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 2. Component 6 (trade secret)

PEL (Inhalation): 435 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 3. Component 6 (trade secret)

PEL (Inhalation): 100 ppm, (ST) 150 ppm, (C) 300 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 4. Component 6 (trade secret)

REL (Inhalation): 100 ppm, (ST) 150 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 5. Component 9 (trade secret)

PEL (Inhalation): 50 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 6. Component 9 (trade secret)

PEL (Inhalation): 245 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 7. Component 9 (trade secret)

PEL (Inhalation): 50 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 8. Component 9 (trade secret)

REL (Inhalation): 50 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 9. Component 10 (trade secret)

PEL (Inhalation): 100 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 10. Component 10 (trade secret)

PEL (Inhalation): 435 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 11. Component 10 (trade secret)

PEL (Inhalation): 100 ppm, (ST) 125 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 12. Component 10 (trade secret)

REL (Inhalation): 100 ppm, (ST) 125 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### Appropriate engineering controls

Ensure adequate ventilation.

### Individual protection measures, such as personal protective equipment (PPE)

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### Eye/face protection

Chemical goggles or safety glasses.

### Skin protection

Impermeable protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

### Body protection

Wear fire/flame resistant/retardant clothing.

### Respiratory protection

An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Colorless Liquid
Odor	Sweet. Aromatic.
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	< -60 °C
Initial boiling point and boiling range	148 - 177 °C
Flash point	41 °C (closed cup)
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower explosive limits	1.4 - 7.6 vol %
Vapor pressure	< 10 mm Hg @ 20°C
Vapor density	3.5 (Air = 1)
Relative density	0.86 - 0.88 (Water = 1)
Solubility(ies)	Water: Negligible
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	280 - 470 °C
Decomposition temperature	No data available.
Viscosity	< 2 cSt @ 40°C

### Other safety information

Do not eat, drink or smoke during use.

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## SECTION 10: Stability and reactivity

### Reactivity

Flammable liquid and vapor.

### Chemical stability

Flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

### Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous polymerization will not occur.

### Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

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## ARC Cleaning Solvent

### Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, toxic fumes.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not classified

<b>Atosol 100 (64742-95-6)</b>	
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (ppm)	3400 ppm/4h
ATE US (oral)	8400.000 mg/kg body weight
ATE US (gases)	3400.000 ppmV/4h
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat	18 mg/l/4h
<b>m-Ethyltoluene (620-14-4)</b>	
LD50 oral rat	4300 mg/kg Based on xylenes
LD50 dermal rabbit	>= 4200 mg/kg Based on xylenes
LC50 inhalation rat	21.7 mg/l/4h Based on xylenes
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
LD50 oral rat	5000 mg/m <sup>3</sup> Based on 1,2,4-trimethylbenzene
LD50 dermal rabbit	> 3160 mg/kg Based on 1,2,4-trimethylbenzene
LC50 inhalation rat	24 mg/l/4h (Exposure time: 4 h)



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**ARC Cleaning Solvent**

<b>p-Ethyltoluene (622-96-8)</b>	
LD50 oral rat	4300 mg/kg Based on xylenes
LD50 dermal rabbit	>= 4200 mg/kg Based on xylenes
LC50 inhalation rat	21.7 mg/l/4h Based on xylenes
<b>Benzene, 1-ethyl-2-methyl- (611-14-3)</b>	
LD50 oral rat	5000 mg/kg
LD50 dermal rat	10600 mg/kg Based on cumene
LC50 inhalation rat	39 mg/l/4h Based on cumene
<b>1,2,3-Trimethylbenzene (526-73-8)</b>	
LD50 oral rat	5000 mg/kg Based on 1,2,4-trimethylbenzene
LD50 dermal rabbit	> 3160 mg/kg Based on 1,2,4-trimethylbenzene
LC50 inhalation rat	10.2 mg/l/4h Based on a mixture of trimethylbenzenes.
<b>Cumene (98-82-8)</b>	
LD50 oral rat	1400 mg/kg
LD50 dermal rat	10600 mg/kg
LC50 inhalation rat	39 mg/l/4h
<b>n-Propylbenzene (103-65-1)</b>	
LD50 oral rat	6040 (6040 - 7500) mg/kg
LD50 dermal rat	10600 mg/kg Based on Isopropyl benzene
LC50 inhalation rat	422 g/m <sup>3</sup> (Exposure time: 2 h)
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
LD50 oral rat	4300 mg/kg
LD50 dermal rabbit	> 4200 mg/kg
LC50 inhalation rat	21.7 mg/l/4h
<b>Ethylbenzene (100-41-4)</b>	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15354 mg/kg
LC50 inhalation rat	17.2 mg/l/4h

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

Not classified

**STOT-single exposure**

May cause drowsiness or dizziness. May cause respiratory irritation. Causes damage to organs (lung).

**STOT-repeated exposure**

Causes damage to organs (nervous system) through prolonged or repeated exposure.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Carcinogenicity**

Suspected of causing cancer.

# Safety Data Sheet

## ARC Cleaning Solvent

<b>Cumene (98-82-8)</b>	
IARC group	2B - Possibly carcinogenic to humans
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
IARC group	3 - Not classifiable
<b>Ethylbenzene (100-41-4)</b>	
IARC group	2B - Possibly carcinogenic to humans

### Additional information

Based on available data, the classification criteria are not met. Harmful if inhaled.

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## SECTION 12: Ecological information

### Toxicity

LC50 fish 1	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)

### Other adverse effects

Avoid release to the environment.

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## SECTION 13: Disposal considerations

### Disposal of the product

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Disposal of contaminated packaging

Handle empty containers with care because residual vapors are flammable.

### Waste treatment

Avoid release to the environment. Hazardous waste due to toxicity.

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## SECTION 14: Transport information

### DOT (US)

UN Number: 1268

Class: 3 - Flammable Liquid

Packing Group: III

Proper Shipping Name: Petroleum Distillates, N.O.S.

### IMDG

UN Number: 1268

Class: 3 - Flammable Liquid

Packing Group: III

EMS Number: 128

Proper Shipping Name: Petroleum Distillates, N.O.S.

### IATA

UN Number: 1268

Class: 3 - Flammable Liquid

Packing Group: III

Proper Shipping Name: Petroleum Distillates, N.O.S.

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations specific for the product in question**

**Massachusetts Right To Know Components**

Chemical name: 1,2,4-Trimethylbenzene  
CAS number: 95-63-6

**New Jersey Right To Know Components**

Common name: PSEUDOCUMENE  
CAS number: 95-63-6

**Pennsylvania Right To Know Components**

Chemical name: Pseudocumene  
CAS number: 95-63-6

**Massachusetts Right To Know Components**

Chemical name: Xylene (mixed isomers)  
CAS number: 1330-20-7

**New Jersey Right To Know Components**

Common name: XYLENES  
CAS number: 1330-20-7

**Pennsylvania Right To Know Components**

Chemical name: Benzene, dimethyl-  
CAS number: 1330-20-7

**California Prop. 65 components**

Chemical name: XYLENES (MIXED)  
CAS number: 1330-20-7  
06/11/2004 - Cancer

**New Jersey Right To Know Components**

Common name: PROPYL BENZENE  
CAS number: 103-65-1

**Pennsylvania Right To Know Components**

Chemical name: Benzene, propyl-  
CAS number: 103-65-1

**Massachusetts Right To Know Components**

Chemical name: Cumene  
CAS number: 98-82-8

**New Jersey Right To Know Components**

Common name: CUMENE  
CAS number: 98-82-8

**Pennsylvania Right To Know Components**

Chemical name: Benzene, (1-methylethyl)-  
CAS number: 98-82-8

**California Prop. 65 components**

Chemical name: Cumene  
CAS number: 98-82-8  
04/06/2010 - Cancer

**Massachusetts Right To Know Components**

Chemical name: Ethylbenzene  
CAS number: 100-41-4

**New Jersey Right To Know Components**

Common name: ETHYL BENZENE  
CAS number: 100-41-4

**Pennsylvania Right To Know Components**

Chemical name: Benzene, ethyl-  
CAS number: 100-41-4

**California Prop. 65 components**

Chemical name: ETHYLBENZENE  
CAS number: 100-41-4  
06/11/2004 - cancer

**SARA 313 Components**

Chemical name: 1,2,4-Trimethylbenzene  
CAS number: 95-63-6

**SARA 313 Components**

Chemical name: Cumene  
CAS number: 98-82-8

**SARA 313 Components**

Common name: XYLENES  
CAS number: 1330-20-7

**SARA 313 Components**

Common name: ETHYLBENZENE  
CAS number: 100-41-4

**SARA 311/312 Hazards**

Fire hazard Chronic health hazard Acute health hazard

## HMIS Rating

DOT – Pothole Filler® Cleaner	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

## NFPA Rating



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## SECTION 16: Other information

GHS formatting changes.

### Further information/disclaimer

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.

### Preparation information

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05/28/2015