



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Trade name : Drydene DieselALL DEF

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Diesel Exhaust Fluid

### 1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier:  
Dryene Performance Products, Inc  
841 Nina Way, Unit 1  
Warminster, PA 18974  
1-877-DRYDENE

### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300; Outside the US/Canada +1-703-527-3887

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GHS-US classification

Not classified

### 2.2. Label elements

#### GHS-US labeling

No labeling applicable

### 2.3. Other hazards

other hazards which do not result in classification : Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

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

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	% (w/w)	GHS-US classification
Water	(CAS No) 7732-18-5	67.5	Not classified
Urea	(CAS No) 57-13-6	32.5	Not classified

Full text of 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 : When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Discontinue use and obtain medical attention if irritation develops and persists.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation : Prolonged exposure to liquid may cause a mild irritation.

Symptoms/injuries after skin contact : May cause mild skin irritation.



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Symptoms/injuries after eye contact : Prolonged exposure to liquid may cause a mild irritation.  
Symptoms/injuries after ingestion : Ingestion of small amounts would not be expected to produce toxicity.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**5.2. Special hazards arising from the substance or mixture**

Fire hazard : The product is not flammable. Hazardous combustion products. Carbon oxides (CO and CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Ammonia.  
Explosion hazard : Product is not explosive.  
Reactivity : Hazardous reactions will not occur under normal conditions.

**5.3. Advice for firefighters**

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.  
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6: Accidental release measures**

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

General measures : Avoid breathing dust, mist or spray. Avoid prolonged contact with eyes, skin and clothing.

**6.1.1. For non-emergency personnel**

Protective equipment : Personal protective equipment. For further information refer to section 8: Exposure-controls/personal protection.  
Emergency procedures : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Stop leak if safe to do so. Ventilate area.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Clear up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container.

**6.4. Reference to other sections**

For further information refer to section 8 considerations" : Exposure-controls/personal protection. For disposal of residues refer to section 13: Disposal

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Additional hazards when processed : When heated to decomposition, emits toxic fumes.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Technical measures : Comply with applicable regulations.  
Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, incompatible materials.  
Incompatible materials : Strong acids. Strong bases. Strong oxidizers. Strong alkalis.

**7.3. Specific end use(s)**

Refer to section 1.



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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
- Personal protective equipment : In case of splash hazard: safety glasses.



- Materials for protective clothing : Not applicable.
- Hand protection : Wear chemically resistant protective gloves.
- Eye protection : In case of splash hazard: chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
- Other information : When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Appearance : Clear, colorless liquid.
- Color : Colorless
- Odor : Faint odor of ammonia
- Odor threshold : No data available
- pH : 9.8 - 10
- Melting point : No data available
- Freezing point : -12°C (11°F)
- Boiling point : 104°C (219°F)
- Flash point : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosive limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available
- Vapor pressure : No data available
- Relative density : No data available
- Relative vapor density at 20 °C : No data available
- Specific gravity / density : 9.0909 lbs./USG - 4.13 kg / 3.785L @ 20°C (68°F)
- Specific Gravity : 1.087 – 1.903 @ 20°C (68°F)
- Solubility : 100%
- Log Pow : No data available
- Log Kow : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available

### 9.2. Other information

No additional information available



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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Hazardous reactions will not occur under normal conditions.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization does not occur.

**10.4. Conditions to avoid**

Extremely high or low temperatures. Incompatible materials.

**10.5. Incompatible materials**

Strong acids. Strong bases. Strong oxidizers. Strong alkalis.

**10.6. Hazardous decomposition products**

Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Ammonia.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

- Likely routes of exposure : Ingestion; Inhalation; Skin and eye contact
- Acute toxicity : Not classified  
(Based on available data, the classification criteria are not met)

<b>Water (7732-18-5)</b>	
LD50 oral rat	> 90 ml/kg
<b>Urea (57-13-6)</b>	
LD50 oral rat	5000 - 15000 mg/kg
LC50 inhalation rat (mg/l)	Urea dust at 22 mg/m <sup>3</sup> caused mild irritation (species not specified)
ATE US (oral)	5000,000 mg/kg bodyweight

- Skin corrosion/irritation : Not classified  
(Based on available data, the classification criteria are not met)  
pH: 9.8 - 10
- Serious eye damage/irritation : Not classified  
(Based on available data, the classification criteria are not met)  
pH: 9.8 - 10
- Respiratory or skin sensitization : Not classified  
(Based on available data, the classification criteria are not met)
- 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)
- Specific target organ toxicity (single exposure) : Not classified  
(Based on available data, the classification criteria are not met)
- Specific target organ toxicity (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)
- Potential Adverse human health effects and symptoms : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after inhalation : Prolonged exposure to liquid may cause a mild irritation.
- Symptoms/injuries after skin contact : May cause mild skin irritation.
- Symptoms/injuries after eye contact : Prolonged exposure to liquid may cause a mild irritation.
- Symptoms/injuries after ingestion : Ingestion of small amounts would not be expected to produce toxicity.



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**SECTION 12: Ecological information**

**12.1. Toxicity**

Urea (57-13-6)	
LC50 fish 1	16200 - 18300 mg/l (Exposure time: 96 h - Species: Poecilia reticulata)
EC50 Daphnia 1	3910 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

Urea (57-13-6)	
BCF fish 1	< 10
Log Pow	-1.59 (at 25 °C)

**12.4. Mobility in soil**

No additional information available

**12.5. Other adverse effects**

Effect on the global warming : No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations : Dispose of waste in accordance with local regulations.

**SECTION 14: Transport information**

**Department of Transportation (DOT)**

In accordance with DOT  
Not regulated for transport

**Additional information**

Other information : No supplementary information available.

**ADR**

No additional information available

**Transport by sea**

No additional information available

**Air transport**

No additional information available

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Urea (57-13-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

**15.2. International regulations**

**CANADA**

Water (7732-18-5)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Urea (57-13-6)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

**EU-Regulations**

Water (7732-18-5)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
Urea (57-13-6)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	

