

Safety Data Sheet

according to the federal final rule of hazard communication
revised on 2012 (HazCom 2012)



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Golden West DEF Fluid

Product Use: Antifreeze/Coolant

Product Number(s): Afz 047077211113, Afz 046071000013

Company Identification

Golden West Packaging Co.
13598 Hwy 87 East
Adkins, TX 78101
United States of America
www.alliedsalesco.com

Transportation Emergency Response

210-649-1401

Health Emergency

210-649-1401

Product Information

210-649-1401

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS-US classification: Not classified

Label elements: GHS-US labeling

No labeling applicable

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

Unknown acute toxicity (GHS-US): Not applicable

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable

Mixture: Water, (CAS No) 7732-18-5, 67.5%, Not classified; Urea, (CAS No) 57-13-6, 32.5%, Not classified

SECTION 4 FIRST AID MEASURES

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 persist.

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

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.

Symptoms/injuries after eye contact: Prolonged exposure to liquid may cause mild irritation.

Symptoms/injuries after ingestion: Ingestions of small amounts would not be expected to produce toxicity.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

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.

Special hazards arising from the substance or mixture

Fire hazard: The product is not flammable. Hazardous combustion products. carbon oxides (CO and CO₂). Nitrogen oxides (NO_x). Ammonia.

Explosion hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

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

Personal precautions, protective equipment and emergency procedures

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

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.

For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Stop leak if safe to do so. Ventilate area.

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

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.

Reference to other sections

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

SECTION 7 HANDLING AND STORAGE

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.

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.

Specific end: refer to section 1.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: No additional information available

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

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: -12 °C 11°F

Freezing point: No data available

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: 1,087 - 1,903 g/cm³ @ 20°C (68°F)
Relative vapor density at 20 °C: No data available
Density: 9.0909 lbs./USG - 4.13 kg / 3.785L @ 20°C (68°F)
Solubility: Water: Soluble
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

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: Extremely high or low temperatures. Incompatible materials.
Incompatible materials: Strong acids. Strong bases. Strong oxidizers. Strong alkalis.
Hazardous decomposition products: Carbon oxides (CO, CO₂). Nitrogen oxides (NO_x). Ammonia.

SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure: Ingestion; Inhalation; Skin and eye contact
Acute toxicity: Not classified (Based on available data, the classification criteria are not met)
Water (7732-18-5): LD₅₀ oral rat, > 90 ml/kg
Urea (57-13-6): LD₅₀ oral rat, 5000 - 15000 mg/kg, LC₅₀ inhalation rat (mg/l), Urea dust at 22 mg/m³ caused mild irritation (species not specified), ATE US (oral), 5000,000 mg/kg bodyweight

SECTION 11 TOXICOLOGICAL INFORMATION

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.

SECTION 12 ECOLOGICAL INFORMATION

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])

Persistence and degradability: No additional information available

Bioaccumulative potential: Urea (57-13-6) — BCF fish 1: < 10; Log Pow: -1,59 (at 25 °C)

Mobility in soil: No additional information available

Other adverse effects: Effect on the global warming, No additional information available

Disposal considerations: Waste treatment methods

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

SECTION 13 DISPOSAL CONSIDERATIONS

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

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

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)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

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US State Regulations: No additional information available.

SECTION 16 OTHER INFORMATION

Other information: None

Prepared according to the 29 CFR 1910.1200 (2012) by Golden West Packaging Company, 13598 Hwy 87 East, Adkins, TX 78101.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.