Glass Diesel Exhaust Fluid
Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Form: Mixture
Product Name: Glass Diesel Exhaust Fluid
Product Use: Solution for NOx reduction in SCR systems
Product Number(s): DEF-D
Company Identification
Hubert Glass Oil Co.
36036 Hwy 69N
Jacksonville TX 75766
United States of America
www.glassoil.com

Transportation Emergency Response
(903) 586-5986
Health Emergency
Hubert Glass Oil Co. Emergency Information
(903) 586-8026
Product Information
Product Information: 1 (903) 586-8026 sales@glassoil.com

SECTION 2 HAZARDS IDENTIFICATION

GHS-US CLASSIFICATION: Not classified
GHS-US Labelling
Signal word (GHS-US): None
Hazard Statements (GHS-US): None
Precautionary statements (GHS-US): None

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT (% by wt)
Water	7732-18-5	67.5
Urea	57-13-6	32.5

SECTION 4 FIRST AID MEASURES

Description of first aid measures
Eye: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
Skin: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Inhalation: Assure fresh air breathing. Allow the victim to rest.

Most important symptoms and effects, both acute and delayed
IMMEDIATE SYMPTOMS AND HEALTH EFFECTS
Not expected to present a significant hazard under anticipated conditions of normal use.

DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS: Not classified.

Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam. Dry Powder. Carbon Dioxide. Sand. Do not use a heavy water stream.
Unusual Fire Hazards: No additional information available.

PROTECTION OF FIRE FIGHTERS:
Fire Fighting Instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6 ACCIDENTAL RELEASE MEASURES

General Measures: The EPA has no established reportable quantity for spills for this material, secondary containment is not specified.
Protective Measures: Equip cleanup crew with proper protection.
Emergency Procedures: Evacuate unnecessary personnel. Ventilate area.
Methods for 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. For minor spillages wash down with excess water. Mop up small spills.
Reporting: Report spills to local authorities as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: 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.
Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Direct Sunlight, Heat sources. Keep container closed when not in use.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:
Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT
Avoid all unnecessary exposure. Gloves. Protective goggles.
Eye/Face Protection: Chemical goggles or safety glasses.

Hand Protection: Wear protective gloves
Respiratory Protection: Wear appropriate mask.
Other information: Do not eat, drink or smoke during use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Colorless
Physical State: Liquid
Odor: characteristic ammonia odor
Odor Threshold: No data available
pH: 9-10
Relative evaporation rate (butylacetate=1): <1
Vapor Pressure: Not applicable
Vapor Density at 20 ºC (Air = 1): 0.6 H2O, >1
Initial Boiling Point: > 100 ºC (212 ºF)
Solubility: Soluble in water. Water: 100%
Freezing Point: -11 ºC (12 ºF)
Viscosity: No data available.
Decomposition temperature: No Data Available
Octanol/Water Partition Coefficient: No data available

SECTION 10 STABILITY AND REACTIVITY

Reactivity: No additional information available.
Chemical Stability: Stable under normal conditions.
Possibility of hazardous reactions: Not established.
Conditions to avoid: No additional information available.
Incompatibility With Other Materials: Strong acids. Strong bases. Oxidizing agents (peroxides, chromates, dichromates).
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Fume.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute Toxicity: Not classified

Urea 57-13-6	
LD50 oral rat	8,471.00 mg/kg (rat; OECD 401: Acute Oral Toxicity; Literature study; 14300 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	>3,200.00 mg/kg (Rat; Literature study)
LD50 dermal rabbit	>21,000.00 mg/kg (Rabbit; Literature study)
ATE US (oral)	8,741.00 mg/kg bodyweight

Skin corrosion/irritation: Not classified
pH: 9-10
Serious eye damage/irritation: Not classified

pH: 9-10

Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified
Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

Urea (57-13-6)	
LC50 fish 1	>6,810.00 mg/l (LC50; 96 h; Leuciscus idua; Static system)
EC50 Daphnia 1	>10,000.00 mg/l (EC50; 48 h; Daphnia magna)
Threshold limit algae 1	>10000 mg/l (EC0; 168 h; Scenedesmus quadricauda; static system; Fresh water)

Mobility: Not applicable.

PERSISTENCE AND DEGRADABILITY

Urea (57-13-6)	
Persistance and degradability	Inherently biodegradable. Hydrolysis in water. Highly mobile in soil.
ThOD	0.27 g O_2/g substance

POTENTIAL TO BIOACCUMULATE
Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

Product/Packaging disposal recommendations: As a non-hazardous liquid waste, it should be solidified with stabilizing agents such as sand, fly ash, or clay absorbent, so that no free liquid remains before disposal to an industrial waste landfill.
Ecology – waste materials: Avoid release to the environment.

SECTION 14 TRANSPORT INFORMATION

DOT Shipping Description: In accordance with DOT. Not regulated.

ADR: Not regulated

Transport by Sea: Not regulated

Air Transport: Not regulated

SECTION 15 REGULATORY INFORMATION

Glass Diesel Exhaust Fluid	
EPA TSCA Regulatory Flag	Toxic Substances Control Act (TSCA): The intentional ingredients of this product are not listed
CERCLA RQ	None. This material is not classified as hazardous under U.S. EPA regulations.
SARA Section 302 Threshold Planning Quantity (TPQ)	No extremely hazardous substances are in this product.
SARA Section 311/312 Hazard Classes	Urea. No hazards resulting from the material as supplied.

Urea (57-13-6	
EPA TSCA Regulatory Flag	Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

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

International Regulations

Canada

Glass Diesel Exhaust Fluid	
WHMIS Classification	This SDS has been prepared according to the criteria of the hazardous Products Regulations (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR. Applicable GHS information is listed in section 2 of this SDS.

EU Regulations

No additional information available.

National Regulations

Glass Diesel Exhaust Fluid
DSL (Canada): The intentional ingredients of this product are listed

Urea (57-13-6)
DSL (Canada): The intentional ingredients of this product are listed EINECS (Europe): The intentional ingredients of this product are listed

US State regulations

California Proposition 65 – This product does not contain any substance(s) known to the state of California to cause cancer, developmental toxicity and/or reproductive toxicity

SECTION 16 OTHER INFORMATION

REVISION STATEMENT:
Revision Date: July 29, 2019

NFPA health hazard: 1 – Materials that, under emergency conditions, can cause significant irritation
NFPA fire hazard: 0 – Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity: 0 – Material that in themselves are normally stable, even under fire conditions.

Hazard Rating
Health: 1 Slight Hazard – Irritation or minor reversible injury possible
Flammability: 0 Minimal Hazard – Materials that will not burn
Physical: 0 Minimal Hazard – Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-explosives.
Personal Protection: B – Safety glasses, Gloves

Prepared according to the 29 CFR 1910.1200 (2012) by Hubert Glass Oil Co. 36036 Hwy 69N, Jacksonville TX 75766

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.

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