



Date: October, 27, 2009

MATERIAL SAFETY DATA SHEET

This MSDS conforms to ANSI Z400.1 and is in compliance with 29CFR 1910

DIESEL EXHAUST FLUID

Section 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Names: Colonial™ DEF, Aqueous Urea Solution 32.5%, C-Blue® DEF, C-Blue® AUS-32
Manufacture's Name and Contact Information: Colonial Chemical Company
78 Carranza Rd.
Tabernacle, NJ 08088
Telephone: 609-268-1200
Emergency Telephone: CMB 800-457-4280

Section 2: COMPOSITION

Composition:	<u>Ingredient</u>	<u>Percent</u>	
	Urea	32.5	CAS # 000 057 136
	Water	67.5	

Section 3: HAZARD INFORMATION

This product is an aqueous solution of Urea. Urea is a normal product of protein metabolism in the human body and is not considered to be a hazardous material.

Section 4: FIRST AID MEASURES

Inhalation: Move to fresh air, keep at rest; provide artificial respiration if needed
Skin Contact: Wash contacted skin with soap and water; if there is a rash or other symptoms contact a physician.
Eye Contact: Flush eyes immediately with water for 15 minutes
Ingestion: **Do Not Induce Vomiting.** If possible drink milk. If milk is not available, drink water. In all cases, seek advise of a physician.

Section 5: FIRE FIGHTING MEASURES

Product is not flammable or combustible. If burned in a fire may emit ammonia, carbon dioxide, or carbon monoxide fumes. Wear personal protective equipment. Avoid breathing fumes. Use water spray or dry chemical or CO₂ fire extinguisher to extinguish fire.

Section 6: ACCIDENTAL RELEASE MEASURES

Absorb with inert material such as sand or saw dust, shovel into suitable container, and dispose of in accordance with local regulations.



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Section 7: HANDLING & STORAGE

Handle in accordance with good industrial hygiene and safety practices. Wear personal protective equipment. Do not mix with nitric acid or other strong acids or bases. Store between 20 and 80°F.

Section 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

Use in a well ventilated area.

Industrial setting: Wear rubber gloves and safety glasses.

Retail setting: No hand or eye protection required under normal use.

Section 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	clear liquid
Odor:	none
pH	7-9
Specific Gravity	1.09 @ 15°C
Crystallization Point:	-11°C (12°F)
Water Solubility:	Soluble

Section 10: STABILITY & REACTIVITY

Stable at normal temperatures and pressures

Ammonia may evolve over time at high temperatures.

Reacts strongly with oxidizing agents and acids

Hazardous polymerization will not occur

Section 11: TOXICOLOGICAL INFORMATION

LD50/oral/rat >2000 mg/kg

Inhalation may cause irritation of respiratory tract

Lengthy exposure may be irritating to skin and eyes

Section 12: ECOLOGICAL INFORMATION

Miscible in water

Readily biodegradable

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

Section 14: TRANSPORT INFORMATION

Not a hazardous material per DOT standards



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Section 15: REGULATORY INFORMATION

Not regulated under TSCA, CERCLA, DHS, or OSHA regulations

This product does NOT contain any California Proposition 65 listed chemicals

Section 16: OTHER INFORMATION

None