

SAFETY DATA SHEET

Version 3.1

Revision Date: 10/15/2025

Print Date: 10/15/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Aqueous Machine Surfactant Concentrate
Product Number	MFG102119
Supplier	Diesel Emissions Service
	16435 Clear Creek Rd
	Redding, CA 96001, USA
Telephone	(530)241-3950
Email	info@DES.direct

2. COMPOSITION, INFORMATION OR INGREDIENTS

Ingredients	Lauryl, Octyl, and Decyl Glucoside >51% Water ~49%; EDTA; Sodium Citrate
Hazardous Ingredients	1-Octanol <1%

3. HAZARDS IDENTIFICATION

Eye Irritant	Irritating to eyes. Risk of serious damage to eyes.
Skin Irritant	May be irritating to skin
Avoid Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Avoid Inhalation	May be harmful if inhaled. Irritating to respiratory system.

4. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SAFETY DATA SHEET

Version 3.0

Revision Date: 01/09/2021

Print Date: 01/09/2021

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Hazardous combustion products

Nature of decomposition products not known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation. Use personal protective equipment.

Environmental precautions

Avoid introducing concentrated solution down drains.

Methods and materials for containment and clean up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Ventilate area. Wash skin immediately with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Product is slightly hygroscopic and should be stored in a closed container.

Recommended storage temperature

Room Temperature or below.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards, such as NIOSH (US) and EN 166 (EU).

SAFETY DATA SHEET

Version 3.0

Revision Date: 01/09/2021

Print Date: 01/09/2021

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Skin and body protection

The type of protective equipment and impervious clothing must be selected according to the concentration and amount of dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.

Respiratory protection

The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace. For higher level protection, use respirators and components tested and approved under appropriate government standards, such as NIOSH (US) and CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Liquid gel

Color

White or pale-yellow

Molecular formula

Mixture

Molecular weight

N/A

Density

No data available

pH

~11.5-12.5

Melting point/freezing point

<-5 °C

Boiling point

100°C

Flash point

>100°C

Ignition temperature

No data available

Autoignition temperature

No data available

Lower explosion limit

No data available

Upper explosion limit

No data available

Vapor pressure

No data available

Water solubility

Soluble

SAFETY DATA SHEET

Version 3.0

Revision Date: 01/09/2021

Print Date: 01/09/2021

Partition coefficient	No data available
Relative vapor density	No data available
Odor	Mild; sweet
Odor threshold	No data available
Evaporation rate	No data available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Strong oxidizing agents. Strong reducing agents. Excess heat.
Hazardous decomposition products	Nature of decomposition products not known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral LD50 No data available
	Inhalation LD50 No data available
	Dermal LD50 No data available
	Other information on acute toxicity No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available

SAFETY DATA SHEET

Version 3.0

Revision Date: 01/09/2021

Print Date: 01/09/2021

Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Teratogenicity	No data available
Specific target organ toxicity – single exposure (GHS)	No data available
Specific target organ toxicity – repeated exposure (GHS)	No data available
Aspiration hazard	No data available
Potential health effects	Inhalation May be harmful if inhaled. Ingestion May be harmful if ingested. Skin May be harmful if absorbed through the skin. May cause skin irritation. Eyes May cause eye irritation.
Signs and symptoms of exposure	To the best of our knowledge, the toxicological properties of this compound have not been fully investigated.
Synergistic effects	No data available
Additional information	Not available

12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available

SAFETY DATA SHEET

Version 3.0

Revision Date: 01/09/2021

Print Date: 01/09/2021

Mobility in soil No data available**PBT and vPvB assessment** No data available**Other adverse effects** No data available

13. DISPOSAL CONSIDERATIONS

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Observe all federal, state and local laws.
Contaminated packaging	Dispose of as unused product.

14. TRANSPORT INFORMATION

Shipping	Not regulated.
-----------------	----------------

15. REGULATORY INFORMATION

Adhere to all federal, state and local regulations.

16. OTHER INFORMATION

The information contained herein is accurate to the best of our knowledge, but is not meant to be complete and is included only as a guide. The end user is responsible for any damage resulting from handling or from contact with this product.