

Safety Data Sheet

Product Trade Name: Delta P

Revision Date: 01/01/2023

Revision No.: 5

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: Delta P
Product No.: EFP-8101
Brand: Delta P
CAS-No.: N/A

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

Identified uses: Drilling & Completion Fluid Additive for control of losses in Aqueous and Non Aqueous Fluids

1.3 Details of the Supplier of the Safety Data Sheet

Company: Enventives, LLC
2751 Hennepin Ave. #305
Minneapolis, MN 55408-1002
Telephone: +1 (612) 930-1977
Fax: +1 (612) 930-4465

1.4 Emergency telephone number

Emergency Telephone #: Chemtrek 1-800-424-9300 (24hrs.)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Combustible dust

2.2 GHS Label elements, including precautionary statements

Pictogram none
Signal word Warning
Hazard Statement(s) May form combustible dust concentrations in air
Precautionary statement(s) none

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

This product is not considered to be persistent, bio accumulating nor toxic (PBT) This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous Component	CAS No.	EC-No.	Synonyms	Classification	Concentration
No Hazardous Substances	n/a	n/a	n/a	none	0-100%

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

No hazards which require special first aid measures. 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

If on skin: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

In case of eye contact

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If swallowed

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

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Decomposition in fire may produce toxic gases.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Avoid dusty conditions.

5.5 Unusual Fire and Explosion Hazards

Flammable solids may provide conditions for a dust explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient.

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and materials for containment and cleanup

Pick up and arrange disposal without creating dust. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.

6.4 Additional information

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

6.5 Reference to other sections

For personal protective equipment see section 8. For disposal see section 13

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see Section 2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store Locked Up.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are "stipulated".

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Component	CAS No.	Value	Control Parameters	Basis
Organic natural cellulose	proprietary	OSHA PELV	15 mg/m3	Dust

8.2 Exposure controls

Appropriate engineering controls

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

Personal protective equipment

Eye/face protection

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

Skin protection

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

Body Protection

The type of Body Protection should be selected according to the concentration and the amount of the dangerous substances at the specific workplace.

Respiratory Protection

Respiratory protection is not required. Where protection from nuisance levels of dust are desired use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Control of environmental exposure

Do not let product enter drains

Threshold Limit Values

OSHA PELV = 15 mg/M3 for dust

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: solid powder Color: Brown - Tan
b) Odour	mild
c) Odour Threshold	no data available
d) pH	4.0 – 8.0
e) Melt point/Freeze Point	no data available
f) Initial boiling Point And boiling range	no data available
g) Flash Point	no data available
h) Evaporation rate	no data available
i) Flammibility (solid, gas)	May form on combustion: Carbon Monoxide, Carbon Dioxide, Oxides, Smoke, Fumes
j) Upper/lower flammability Or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	insoluble
o) Partition coefficient: n- octanol/water	no data available
p) Auto Ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive Properties	no data available
t) Oxidizing Properties	no data available

9.2 Other safety information

no data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Contact with strong oxidizing agents

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Oxides or nitrogen. Carbon monoxide and carbon dioxide. Amorphorous silica may transform at elevated temperatures to tridymite (870 C) or cristobalite (1470 C)

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute toxicity

LC50 Oral - Rat - >5,000 mg/kg

LC50 Dermal - Rabbit - >2,000 mg/kg

LC50 Intraperitoneal - Mouse - >6,000 mg/kg

Inhalation

No Data Available

Ingestion

No data available

Skin corrosion/irritation

Skin- Human Result: Mild skin irritation - 3h

Serious eye damage/eye irritation

No eye irritation.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Chronic Effects/Carcinogenicity:

This product does not contain any chemicals known to cause cancer, birth, or any other reproductive defects.

Reproductive toxicity

This product does not contain any chemicals known to cause cancer, birth, or any other reproductive defects.

Specific target organ toxicity-single exposure

No data available

Specific target organ toxicity-repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

This material is not expected to be harmful to aquatic organisms.

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/conducted

12.6 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

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Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging

Dispose of as unused product

SECTION 14: TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: REGULATORY INFORMATION

US TSCA Inventory

All components listed on inventory or are exempt

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components

This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under section 313 (40 CFR 372). This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372)

SARA 311/312 Hazards

Chronic Health Hazard

Massachusetts Right To Know Components

Does not apply

Pennsylvania Right To Know Components

Does not apply

New Jersey Right To Know Components

Does not apply

California Prop. 65 Components

The California Proposition 65 regulations apply to this product

SECTION 16: OTHER INFORMATION

HMIS Rating

Health Hazard: 0

Chronic Health Hazard: 0

Flammability: 1

Physical Hazard: 0

NFPA Rating

Health Hazard: 0

Fire Hazard: 1

Reactivity Hazard: 0

Further Information

The information presented herein is based on the best data available and is believed to be correct. However, nothing stated in this information is to be taken as warranty, expressed or implied, regarding the accuracy of the information or the use of our product; nor shall anything contained herein be construed to constitute a permission or recommendation to practice any invention covered by patent or patent application, or know-how owned by Enventives, LLC, any of its divisions, or by others, without a license by the owner of the patent, patent application, or know-how.

Preparation Information

Enventives, LLC

Product Safety, Americas Region, +1 (612) 930-1977