



Material Safety Data Sheet
In accordance with 91/155/EEC

Dated on: 11 Dec 2007,

Revised on: 28th May, 2009

1. NAME OF SUBSTANCE/PREPARATION AND COMPANY

Product details: **Diesel pour point depressant (PPD-1818)**

Trade name: PPD-1818

Manufacturer details:

TDS Chemical Corp., Limited.

No.2 Waisha Industry Zone, Jiaojiang, Taizhou, Zhejiang,
China (318000)

Tel:+86-21-3424 0366, Fax: +86-21-6438 4070,

FOR CHEMICAL EMERGENCY DURING TRANSPORTATION

International emergency responses **1.352.323.3500** call INFOTRAC collect.

These numbers are used for leaks, fires and medical emergencies involving
human and animals. 24 Hrs. per day, 7 days per week

For domestic within the USA please to use **1.800.535.5053**.

**PLEASE NOTE - SAFETY IS PRIORITY #1 ALL PERSONS ASSOCIATED WITH THE
HANDLING AND USE OF THIS MATERIAL MUST READ AND COMPLY WITH THIS MSDS.**

2. COMPOSITION / DETAILS OF CONSTITUENTS

Chemical characteristics:

Polymer based on ethylene in solvent

Hazardous ingredients:

Compound	Content
Ethylene-vinyl acetate copolymer	50% weight
Solvent of open aromatic hydrocarbon	50% weight

3. POSSIBLE HAZARDS

Advice on hazards to man and the environment, irritating to skin

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4. FIRST AID MEASURES**General notes:**

Immediately remove contaminated clothing

After inhaling:

If difficulties occur after vapor/ aerosol has been inhaled, fresh air, summon physician.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, summon physician.

Note to physician:

Treat according to symptoms (decontamination vital function), no known specific antidote. When inhaled (e.g. during vomiting) risk of pulmonary edemas and/or aerosol (e.g. dexamethazone).

5. FIRES FIGHTING MEASURES**Suitable extinguishing media:**Dry extinguishing media, foam, carbon dioxide (CO₂), water spray.**Unsuitable extinguishing media for safety reasons:**

Full water jet. The following can be given off in a fire gases/vapors

The degree of risk is governed by the burning substance and fire condition

Special protective equipment:

In case of fire, wear a self contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with local regulation.

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6. MEASURES IN THE EVENT OF UNINTENTIONAL RELEASE

Personal precautions:

Hand protection:

Protective gloves (butyl rubber) or (nitrile rubber)

Eye protection:

Avoid breathing vapor aerosol

Environmental precautions:

Do not discharge product into nature water without pretreatment (biological treatment plant)

Methods for cleaning up:

Contain with absorbent material and dispose.

Environmental measures:

Prevent from spreading (e.g. by damming, using chemical binders). Contaminate to environment, and do not allow enter into environment. Do not allow product to enter the sewerage system.

Cleaning/collection procedure:

Collect using a fluid-binding material (chemicals or oil binders) and dispose of in accordance with the local regulations (special waste). Chlorine bleaching solution (1 part to 3 parts water).

Detoxification agents are oxidation agents and must never be used dry or undiluted, or mixed together with other detoxification agents.

In case of leakage:

Evacuate personnel to safety area, and segregate enter in & out. The disposal personnel should take Positive Pressure Air Breathing Apparatus, wear protective suits. Use sand, stone or other inert materials to assimilate. Or Construct fence or dig big pit to bury, Use anti-explosion pump to carry to particular tanker container, recycling or send to disposal yard for disposing.

7. HANDLING AND STORAGE

Handling:

Instructions on safe handling:

Ensure thorough ventilation of stores work areas.

Protection against fire and explosion.

Take precautionary measures against static discharges.

Don't close to open fires and heat sources, avoid exposure to the sunlight.

Storage:

Protect against temperature of above 70°C.

Storage temperature: 20 - 50°C.

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8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Additional information on the layout of technical plant, Components with workplace control parameters.

Is to be observed: additional information see MARK list

Personal protective equipment.

Respiratory protection:

Avoid breathing vapor / aerosol

Hand protection:

Protective gloves (butyl rubber) or (nitrile rubber).

Eye protection:

goggles

General safety and hygiene measures:

The usual precautions for the handling of chemical must be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Outlook	Viscous-like Liquid, No undissolvable impurities
Color	Light red color
Smell	Aromatic odor
Onset of boiling	180~240°C
Flash point	48°C
Freezing point / Melting point	≤6.0
Open aromatic hydrocarbon (Boiling range)	180 ~ 240
Heavy aromatic hydrocarbon (Boiling range)	159 ~ 180
Explosion limits lower	---
Explosion limits upper	---
Density(20°C)	850-970 kg/m ³
Solubility in water	insoluble
Solubility in other solvent	soluble in non-polar solvent
Viscosity (50°C)	50~130 mm ² /s
Solidification temperature	≤20°C

10. STABILITY AND REACTIVITY

Hazardous reaction:

None provided product is correctly processed

Hazardous decomposition products:

None provided product is correctly processed.

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11. TOXICOLOGICAL INFORMATION**Acute toxicity:**

The statements are based on properties of the individual components. LD50/oral/rat: > 2000 mg/kg

Primary skin irritation/rabbit:

Irritant

Primary mucous membrane irritation/rabbit:

non-irritant

Additional information

When inhaled (e.g. during vomiting) risk of pulmonary edemas and /or pneumonia.

12. ECOLOGICAL INFORMATION**Elimination information:**

The substance can be virtually eliminated from water in suitable effluent treatment. Plants by biodegradation stripping and mechanical separation.

Behavior and environmental fate:

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Ecotoxic effects:

The statements are based on the properties of the individual components. Toxicity to fish: LD50(96h): 1-10mg/l

Further ecological information:

Will not pollute the effluent provided it is processed correctly.

13. DISPOSAL CONSIDERATION**Contaminated packaging:**

Must be dumped or incinerated in accordance with local regulations. Dispose with sand or earth if leakage. Uncontaminated packs can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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