



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

Dated on: 11<sup>th</sup> May, 2011,Revised on: 11<sup>th</sup> May, 2011

1.	<u>NAME OF SUBSTANCE/PREPARATION AND COMPANY</u>	
	Product details: Diesel pour point depressant (PPD-1818C) for the crude oil	
	Trade name: PPD-1818C	
	Manufacturer details:	
	TDS Chemical Corp., Ltd.	
	Office: Hong-Mei Building Floor No.4, No. 2008, Hong-Mei Road, Shanghai 200233, China	
	Plant: No.2 Waisha Industry Zone, Jiaojiang, Taizhou, Zhejiang 318000, China.	
	Tel: +86-21-6495 5601, 6495 5602, 6495 5603,	
	Fax: +86-21-6495 5604,	
	Emergency telephone number to TDS Chemical Corp., Ltd.	
	Telephone: (+86) 21 6495 5601 (Mon. - Fri. 09.00 am - 18.00 pm)	
	Telephone: (+86) 186-0177 9000 (outside office hours)	
	<p><b>FOR CHEMICAL EMERGENCY DURING TRANSPORTATION</b></p> <p>International emergency responses <b>1.352.323.3500</b> call INFOTRAC collect. These numbers are used for leaks, fires and medical emergencies involving human and animals.</p> <p>24 Hrs. per day, 7 days per week</p> <p>For domestic within the USA please to use <b>1.800.535.5053</b>.</p>	
	<p><b>PLEASE NOTE - SAFETY IS PRIORITY #1 ALL PERSONS ASSOCIATED WITH THE HANDLING AND USE OF THIS MATERIAL MUST READ AND COMPLY WITH THIS MSDS.</b></p>	
2.	<u>COMPOSITION / DETAILS OF CONSTITUENTS</u>	
	<b>Chemical characteristics:</b>	
	Polymer based on ethylene in solvent	
	<b>Hazardous ingredients:</b>	
	<b>Compound</b>	<b>Content</b>
	Aromatic category and hydrophobic modified polycarboxylate blended	100%
3.	<u>POSSIBLE HAZARDS</u>	
	Advice on hazards to man and the environment, irritating to skin.	
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4.	<b>FIRST AID MEASURES</b>
	<b>General notes:</b>
	Immediately remove contaminated clothing
	<b>After inhaling:</b>
	If difficulties occur after vapor/ aerosol has been inhaled, fresh air, summon physician.
	<b>On skin contact:</b>
	Wash thoroughly with soap and water.
	<b>On contact with eyes:</b>
	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
	<b>On ingestion:</b>
	Immediately rinse mouth and then drink plenty of water, do not induce vomiting, summon physician.
	<b>Note to physician:</b>
	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.	<b>FIRES FIGHTING MEASURES</b>
	<b>Suitable extinguishing media:</b>
	Dry extinguishing media, foam, carbon dioxide (CO <sub>2</sub> ), water spray.
	<b>Unsuitable extinguishing media for safety reasons:</b>
	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
	<b>Special protective equipment:</b>
	In case of fire, wear a self contained breathing apparatus.
	<b>Further information:</b>
	Contaminated extinguishing water must be disposed of in accordance with local regulation.
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6.	<b><u>MEASURES IN THE EVENT OF UNINTENTIONAL RELEASE</u></b>
	Personal precautions:
	<b>Hand protection:</b>
	Protective gloves (butyl rubber) or (nitrile rubber)
	<b>Eye protection:</b>
	Avoid breathing vapor aerosol
	<b>Environmental precautions:</b>
	Do not discharge product into nature water without pretreatment (biological treatment plant)
	<b>Methods for cleaning up:</b>
	Contain with absorbent material and dispose.
	<b>Environmental measures:</b>
	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.
	<b>Cleaning/collection procedure:</b>
	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.
	<b>In case of leakage:</b>
	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.	<b><u>HANDLING AND STORAGE</u></b>
	<b>Handling:</b>
	<b>Instructions on safe handling:</b>
	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.
	<b>Storage:</b>
	Protect against temperature of above 70°C.
	Storage temperature: 20 - 50°C.
	<b>Shelf life time :</b>
	At least 24months
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8.	<b><u>EXPOSURE CONTROL AND PERSONAL PROTECTION</u></b>
<b>Additional information on the layout of technical plant, Components with workplace control parameters.</b>	
Is to be observed: additional information see MARK list	
<b>Personal protective equipment.</b>	
<b>Respiratory protection:</b>	
Avoid breathing vapor / aerosol	
<b>Hand protection:</b>	
Protective gloves (butyl rubber) or (nitrile rubber).	
<b>Eye protection:</b>	
goggles	
<b>General safety and hygiene measures:</b>	
The usual precautions for the handling of chemical must be observed.	
9.	<b><u>PHYSICAL AND CHEMICAL PROPERTIES</u></b>
	Outlook Nature or light green glutinous liquid
	Color Light green color
	Smell Aromatic odor
	Onset of boiling 180~240°C
	Flash point (closed) 32.5°C
	Melting point ≤ 6.0°C
	Solidification temperature ≤ 20°C
	Open aromatic hydrocarbon (Boiling range) 180 ~ 240
	Heavy aromatic hydrocarbon (Boiling range) 159 ~ 180
	Pour Point ≤40°C
	Density(20°C) 800~950 kg/m <sup>3</sup>
	Solubility in water insoluble
	Solubility in other solvent soluble in non-polar solvent
	Viscosity (50°C) 800 mm <sup>2</sup> /s
10.	<b><u>STABILITY AND REACTIVITY</u></b>
<b>Hazardous reaction:</b>	
None provided product is correctly processed	
<b>Hazardous decomposition products:</b>	
None provided product is correctly processed.	

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14. <b>TRANSPORT DATA</b>	
<b>Land transportation ADR/RID:</b>	
Category	3 substances
ICAO-Label	Flammable Viscous-like Liquid.
Substance no. (UN no.)	UN1993
Hazard label	Class 3
Packaging group	II
Description of substance	Diesel pour point depressant. (PPD-1818C)
<b>Sea freight IMDG</b>	
Category	3 substances
EMS no.	Class 3
Marine label	Flammable Viscous-like Liquid.
Substance no. (UN no.)	UN1993
Hazard label	Class 3
Packaging group	II
Proper shipping name	Diesel pour point depressant. (PPD-1818C)
<b>Air freight ICAO/IATA;</b>	
Category	3 substances
UN/ID no.	UN1993
Packaging group	II
Proper shipping name	Diesel pour point depressant. (PPD-1818C)
Remarks	Air craft cargo only.
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16.	<b><u>OTHER INFORMATION</u></b>
<p>This data is based on our current level of knowledge but does not constitute an assurance of product properties and does not justify a contractual legal relationship. And the information above is believed to be accurate and represents the best information currently available to TDS Chemical Corp., Ltd. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.</p>	
<p>The product is <b>only</b> for commercial processing / use.</p>	
<b>Further information:</b>	TDS Chemical Corp., Ltd.
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	Fax: +86-21-6495 5604,
<b>Department publishing:</b>	
This data sheet	Safety department
Contacts	Mr.zhou
<p>Emergency telephone number to TDS Chemical Corp., Ltd. Safety department;</p>	
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