



THERMOL-D - Multifunctional Combustion Improver For Diesel

MATERIAL SAFETY DATA SHEET

Issue date: 21 July, 2013 modified: 12 Feb , 2015

1. Identification of product and company/enterprise

Name of product: **THERMOL-D–Multifunctional Combustion Improver For Diesel**

Application: A multifunctional Combustion Improver to improve combustion of Diesel

Manufacturer: ABHITECH Energycon Ltd.
A/1020, Oberoi Garden Estates, Chandivali Farms
Road, Chandivali, Mumbai-400072 India
Tel.: 91-22-2847 9999, 91-22-2847 4924
Fax: 91-22-2847 9988

Importer/Distributor: Abhitech Energycon s.r.o.
Ostrava-Radvanice,
Lihovarska 10/1199, PSC 716 03,
Czech Republic

2. Identification of hazards

Classification as per manufacturer, EU and regulation No. 44/2000 of 27 December 2000 of the Department of Health:

Indication(s) of danger: none.

"R"-phrase(s) that indicate(s) nature of special risks attributed to dangerous substances:
none.

3. Composition/Information regarding components

Description	CAS-number	%
Petroleum Distillate	64742-47-8	80-95
Naphtha (petroleum)	64742-94-5	3-10
Others		1-2



4. First Aid Measures

- 4.1. In case of inhalation: move injured person to fresh air. In case of breathing difficulty, seek medical attention.
- 4.2. In case of skin contact: take off contaminated clothes and wash the skin with soap and plenty of running water. In case of complaints (irritation), seek medical attention.
- 4.3. In case of eye contact: rinse with plenty of running water –for at least 15 minutes - while pulling away your eyelid and moving around your eye-ball. In case of irritation, seek medical attention.
- 4.4. In case of ingestion: To dilute, give several glasses of water to the injured person to drink. In case of complaints or sickness, seek medical attention.

5. Fire Fighting Measures

Mildly Flammable

- 5.1. Fire extinguishing media: foam, CO₂, extinguishing powder.
Do not use: water,
- 5.2. In the event of a fire, wear full protective clothing, protective gloves, protective shoes and use air-respirator that can protect your face and

6. Accidental release measures

- 6.1. Personal safety measures: Wear individual protective equipment. Remove all sources of ignition. Smoking is prohibited! Provide sufficient ventilation
- 6.2. In case of spill
Spill product must be covered with non-flammable absorbing material (e.g. sand, soil, vermiculite, other general binder) and then must be put into a closed container for this purpose. Contaminated area must be washed up with plenty of water. Material shall be disposed according to local disposal regulations
- 6.3. Protection of the environment
Avoid material release to the environment (natural waters, ground and communal drain).

7. Handling and storage

- 7.1. Handling: Avoid skin contact with the product and aspiration of its fumes.
Fumes may create a flammable/explosive mixture with air at a temperature higher than 55 C°. Ensure sufficient ventilation. Do not mix with strong oxidizers. Eating, drinking and smoking during application is forbidden.
- 7.2. Storage: Store in its original, closed container, in a cool, well-ventilated area. Protect it from heat. Keep it away from strong oxidizers

8. Supervision of exposition/individual protection

- 8.1. Working conditions: Keep standard regulations for handling chemicals. Skin contact, eye contact, inhalation must be avoided. Eating, drinking and smoking during application is prohibited! Wash your hands during breaks and after work.
Keep it away from food, drinks and fodder. Contaminated protective clothing must be changed immediately. After work, wash yourself with soap and running water.
- 8.2. Technical measures: Provide sufficient ventilation, either by standard ventilation or local aspiration.
- 8.3. Limit value in air of working environment: none
- 8.4. Individual protection (recommendations of the manufacturer)



- 8.4.1. Body protection: protective clothing and protective shoes.
- 8.4.2. Hand protection: protective gloves.
- 8.4.3. Eye protective: goggles. Eyewash bottle must be kept at workplace.

9. Physical and chemical characteristics

Physical features:

- Appearance : Clear liquid
- Color: Red
- Boiling point: 150-300 C°
- Flash point: 45 C°
- Volatile component: petroleum distillate
- Density: 0.79
- Water solubility: insoluble

10. Stability and reactivity

- 10.1. Stability: stable if used and stored according to regulations.
- 10.2. Hazardous polymerisations: none.
- 10.3. Substances to avoid: strong oxidizers
- 10.4. Circumstances to avoid: high temperature.
- 10.5. Hazardous decomposition products: none in normal circumstances

11. Toxicological information

Ingestion is harmful
Repeated or long-term exposition may cause mild skin irritation, dry skin.
In case of eye contact it may irritate eyes,.

12. Ecological information

Avoid material release to natural waters, ground and communal drain.

13. Disposal considerations

Dispose of container and unused contents in accordance with Government Order. Furthermore see Section 6.

14. Transport information

Road transport:
UN-class: 1268
Packaging group: III
Description: Petroleum Distillate – n.o.s. (THERMOL-D)

15. Regulatory information

15.1. Labelling regulations:

Indication(s) of danger: **Harmful**

- R 10 Flammable
- R 53 May cause long-term adverse effects in the aquatic environment

"S"-phrase(s) that refer to safety advice concerning dangerous substances:

- S 16 Keep away from sources of ignition -No smoking
- S 36/37 Wear suitable protective clothing and suitable gloves.



S 61 Avoid release to the environment. Refer to special instructions/safety data sheet

S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains: Petroleum distillate (kerosene)

15.2. Related rules:

Hazardous materials: Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), regulation (EC) No. 1272/2008 (CLP) of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, Act XXV of 2000 on chemical security and its related regulations, regulation No. 44/2000 of the Department of Health of 27 December 2000 on detailed rules of procedures and activities with dangerous substances and preparations, joint regulation No. 25/2000 of the Department of Health and of the Department of Social Affairs and Labour of 30 September 2000 on chemical safety of workplaces, hazardous waste: regulation No. 98/2001 of the Government of 15 June 2001, regulation No. 16/2001 of the Department of Environment of 18 July 2001.

16. Other information

Application: Multifunctional Combustion Improver For Heavy fuels

Meanings of R-phrases in points (2) and (3):

R Flammable

10

R 53 May cause long-term adverse effects in the aquatic environment

This Safety Data Sheet was made according to the Safety Data Sheet reviewed on 12/12/2014 by the manufacturer and other registrational documentations. The information, data and recommendations included in this safety data sheet based on our best knowledge and on the issue date we find them correct, valid, and we believe in this.