Material Safety Data Sheet
（MSDS）

This MSDS is authoring based on the data supplied by and identified on behalf of the client.

Sample Name:	Combustion-Supporting Cleaning Efficiency Enhancer
Client Name:	Hong Kai Da (Hainan) Energy Trade Ltd.
Client Address:	3/F (Centralized Office Area) Of The Comprehensive Office Building On Plot 003, Anshang Road, Haikou Bonded Zone, Hainan Province (No. 69, South First Ring Road, Laocheng Economic Development Zone, Chengmai County), 571900, China.
MSDS No.:	2026090591E
Issue Date:	September 05, 2026

Signed for and on behalf of
JINHUA HEBIAO TESTING TECHNOLOGY CO., LTD

Approved signator: David Chen

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The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation. We make no warranty, expressed or implied, with respect to this information and disclaim all liabilities from reliance on it.

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1. Identification of the Substances/Preparation and of the Company/Undertaking

Product Identification:

Product Name: Combustion-Supporting Cleaning Efficiency Enhancer

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

Identified uses: Diesel fuel additive used to improve fuel quality, reduce emissions and deposits, and increase combustion efficiency.

Use advised against: Must be blended with fuel complying with applicable national standards. Do not use as a standalone fuel or as a complete substitute for diesel fuel.

Details of the Manufacturer or supplier

Supplier: Hong Kai Da (Hainan) Energy Trade Ltd.

Address: 3/F (Centralized Office Area) Of The Comprehensive Office Building On Plot 003, Anshang Road, Haikou Bonded Zone, Hainan Province (No. 69, South First Ring Road, Laocheng Economic Development Zone, Chengmai County), 571900, China.

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Unified Social Credit Code: 91460000MAE30T4XX3

Emergency telephone number

Emergency Telephone: +86-17508942757

2. Hazards Identification

Classification of the substance or mixture

Classification Flammable liquids, Category 4

GHS Label elements, including precautionary statements

Pictogram(s): No pictogram is required.

Signal Word: Warning

Hazard Statement: H227: Combustible liquid.

Precautionary statement(s)

Prevention precautionary statements： P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

		P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response Statements:	**Precautionary**	P370+P378: In case of fire, use water fog, dry chemical, carbon dioxide or alcohol-resistant foam to extinguish.
Storage Statements:	**Precautionary**	P403+P235: Store in a well-ventilated place. Keep cool.
Disposal Statements:	**Precautionary**	P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Description of any hazards not otherwise classified

No relevant information.

3. Composition/Information on Ingredients

Chemical Characterization

Mixture. Consist of the following ingredients.

Composition:

Ingredients	CAS No.	Content（%w/w）
Isoalkanes, C13-16	68551-20-2	61.2%
Solvent naphtha (petroleum), light aromatic	64742-95-6	20.5%
Long-chain alkane	630-04-6	17.5%
Long-chain alkanol	557-61-9	0.8%

4. First-Aid Measures

Description of first aid measures:

Eye Contact: If you feel unwell, leave the exposure area immediately, move to fresh air and keep the airway open.

Skin Contact: Wash thoroughly with mild soap and water. If irritation persists, seek medical attention.

Inhalation: Immediately rinse cautiously with plenty of water for at least 15 minutes, lifting the upper and lower eyelids. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if discomfort persists.

Ingestion: If conscious, rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2 and section 11.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Water spray, Dry chemical, carbon dioxide or alcohol-resistant foam.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture

Combustion or thermal decomposition may produce carbon monoxide, carbon dioxide and oxidized hydrocarbon products.

Overheat may produce decomposition products: Carbon oxides, etc..

Advice for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting.

Further information

Avoid contaminated firefighting water releasing the environment.

6. Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

Personal precautions, protective equipment and emergency procedures:

Ventilate area. Avoid direct contact with spillage. Use suitable personal protective equipment.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Small quantities may be contained by inert material(sand, diatomite, acid binders, universal binders, sawdust). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Gather the spilled product and keep in suitable, closed containers for recycle or

disposal(see section 13).

7. Handling and Storage

Precautions for safe handling:

The usual precautionary measures for handling chemicals should be followed.

Use appropriate, approved safety equipment as in section 8.

Avoid contact with skin and eyes.

Wash thoroughly after handling.

Keep container tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Do not store together with strong oxidizing agent. Equip with accidental release equipment in storage area.

8. Exposure Controls/Personal Protection

Exposure Limits: Not established.

Exposure controls

Engineering Control: General industrial hygiene practice. Provide appropriate exhaust ventilation. Provide safe shower and eye wash fountain.

Personal protective equipment:

Respiratory Protection: Not required under normal usage. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

Eyes Protection: Not required under normal usage. Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection: Normal general work suit is enough. If liquid splash exists, wear chemical resistant complete suit,The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hands Protection: Handle with chemical-resistant gloves. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with

this product.

Other Protections: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance	Clear transparent liquid; no suspended matter, sediment or phase separation.
Color	Light green.
Odor	Slight odor.
pH	No data available.
Initial boiling point and boiling range	No data available.
Melting point/freezing point	No data available.
Flash point	>60 °C.
Lower flammable/explosive limit, % (V/V)	Not applicable.
Upper flammable/explosive limit, % (V/V)	Not applicable.
Density	810-850 kg/m³ at 20 °C.
Vapor pressure	No data available.
Vapor density	No data available.
Solubility	Insoluble in water.
Partition coefficient: n-octanol/water	No data available.
Ignition temperature	No data available.
Decomposition temperature	No data available.
Odor threshold	No data available.
Evaporation rate	Negligible (butyl acetate = 1).
Kinematic viscosity	1.8-8.0 mm²/s at 20 °C, depending on grade.
Flammability	Not readily flammable; combustible liquid.
Sulfur content	≤10 mg/kg.
Distillation range	50% recovery temperature: ≤300 °C; 95% recovery temperature: ≤365 °C (reported values: 333.2 °C and 346.2 °C).
Cold filter plugging point	Grade 5: ≤8 °C; Grade 0: ≤4 °C; Grade -10: ≤-5 °C; Grade -20: ≤-14 °C; Grade -35:

	≤-29 °C.
Copper strip corrosion (50 °C, 3 h)	≤Class 1.
Cetane index	≥46.
Pour point	Grade 5: ≤5 °C; Grade 0: ≤0 °C; Grade -10: ≤-10 °C; Grade -20: ≤-20 °C; Grade -35: ≤-35 °C.
Ash	≤0.01%.
Water content	≤0.03%.
Acidity, as KOH	≤7 mg/100 mL.
Oxidation stability, total insolubles	≤2.5 mg/100 mL.
Total contamination	≤22 mg/kg.
Total oxygen content	1.8-3.0%.
Fatty acid methyl ester content	0-5%.

10. Stability and Reactivity

Stability: Stable under normal storage temperature and pressure.

Conditions to Avoid: High temperatures, open flames, sparks, static electricity and strongly oxidizing environments.

Incompatible materials: Strong oxidizing agents.

Hazardous Decomposition Products: Combustion may produce carbon monoxide, carbon dioxide and oxidized hydrocarbon products.

Possibility of hazardous reactions: None hazardous reactions known under normal condition.

11. Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	Based on available data, the classification criteria are not met.
Serious Eye Damage/Eye Irritation：	Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitization	No sensitizing effects known.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not

	met.
Carcinogenicity：	Not classified. The product is not listed as a carcinogen or suspected carcinogen by NTP, IARC or OSHA.
Reproductive Toxicity：	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):	No known human health effects upon single exposure.
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):	No known human health effects upon repeated exposure.
Aspiration Hazard:	Not classified.
Potential Health Effects:	
Inhalation:	No significant symptoms or effects are expected under normal conditions. Inhalation of high vapor concentrations may irritate the respiratory tract.
Skin Contact:	May cause skin irritation.
Eye Contact:	May cause eye irritation.
Ingestion:	Swallowing a large amount may be harmful.

12. Ecological Information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

May be harmful to aquatic organisms. Do not discharge directly into drains or water bodies.

13. Disposal Considerations

Waste treatment methods

Product

Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

Contaminated packaging

Disposal as unused product after empty. Return to supplier for recycling if possible.

14. Transport Information

DOT / ADR / RID / IATA / ICAO / IMO / IMDG

UN number: Not regulated.

Proper shipping name: Not regulated; not dangerous goods for transport.

Transport hazard class: Not regulated.

Packing group: Not regulated.

Marine pollutant: No.

Transport in bulk according to MARPOL Annex II and the IBC Code: Not regulated.

Special precautions: No relevant information.

15. Regulatory Information

International Regulations

Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available.

Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16. Other Information

Further Information:

·This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

·This safety data sheet was prepared in accordance with Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Rev.11.

Department Issuing MSDS: Hong Kai Da (Hainan) Energy Trade Ltd.

Issue Date: September 05, 2026

**********End**********