TECHNICAL DATA SHEET | TDS

CHISPA - Diesel Improver

International Technical Data Sheet

Bio Aditivos Dominicano

DOCUMENT	REVISION	ISSUE DATE	LANGUAGE
BIOAD-CHISPA-DSL-TDS-001	**3.0**	August 2026	English
MANUFACTURER	**PRODUCT TYPE**	**ORIGIN**	**STATUS**
BioAD, SRL	Diesel fuel additive	Dominican Republic	**Technical validation required**

1. PRODUCT IDENTIFICATION AND DESCRIPTION

Liquid diesel-fuel additive formulated with petroleum-derived components and intended to complement fuel performance in compression-ignition engines. Use according to the stated dosage, fuel type, and the vehicle or equipment manufacturer's instructions.



2. FEATURES AND POTENTIAL BENEFITS

- May contribute to more uniform combustion and help maintain fuel-system efficiency.
- May help limit deposits and support cleanliness of fuel-delivery or injection components.
- May contribute to managing condensation-related moisture and reducing conditions that promote rust or corrosion.
- Any smoke, emissions, fuel-economy, oil-life, or filter-life benefit depends on the engine, base fuel, maintenance, and operating conditions.

3. CETANE-NUMBER CONSIDERATION

May contribute to improving cetane number and reducing ignition delay. The effect depends on base fuel, concentration, measurement method, and operating conditions. It does not guarantee a specific increase or replace the fuel grade recommended by the manufacturer.

4. RECOMMENDED APPLICATIONS

Diesel passenger cars, pickup trucks and SUVs, vans and commercial vehicles, buses, stationary engines, agricultural machinery, and diesel-powered marine equipment. Verify compatibility for special-purpose equipment and modern aftertreatment systems.

5. DIRECTIONS AND DOSAGE

Add to the tank before or during refueling and ensure uniform mixing. Base dosage: 1 US fl oz per 15 US gal of fuel (29.6 mL per 56.8 L). Do not overdose. If the current label or equipment manufacturer provides a different direction, follow the applicable instruction.

Fuel volume	Metric equivalent	CHISPA product	Metric equivalent
5 US gal	18.9 L	**0.33 US fl oz**	9.9 mL
10 US gal	37.9 L	**0.67 US fl oz**	19.7 mL
15 US gal	56.8 L	**1 US fl oz**	29.6 mL
30 US gal	113.6 L	**2 US fl oz**	59.1 mL

6. DECLARED COMMERCIAL PACK SIZES

64 US fl oz	1 US gal	55 US gal
Container	Gallon container	Drum

IMPORTANT | Intended use: diesel-fuel additive. Do not use as a fuel substitute or mix with other products unless compatibility has been verified.

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7. PROPIEDADES FÍSICO-QUÍMICAS | PHYSICAL AND CHEMICAL PROPERTIES | PROPRIÉTÉS PHYSICO-CHIMIQUES

Valores declarados en la revisión fuente. Confirmar contra lote, método de ensayo vigente y HDS/SDS antes de publicación regulatoria. | Declared source-revision values. Confirm against batch, current test method and SDS before regulatory publication. | Valeurs déclarées de la révision source. À confirmer avec le lot, la méthode d'essai et la FDS avant publication réglementaire.

Property / Propriété	Declared specification / Spécification	Validation status / Statut
Physical state / État physique	Liquid / Liquide	Declared; confirm by batch
Appearance / Aspect	Clear liquid / Liquide transparent	Visual assessment
Boiling point / Point d'ébullition	169 ℃	Confirm method and pressure
Evaporation rate / Taux d'évaporation	0.1	Test reference required
Flash point / Point d'éclair	68-71 ℃	Confirm method and unit
Miscibility / Miscibilité	Miscible with water* / Miscible avec l'eau*	*Formulation verification required
Biodegradability / Biodégradabilité	Manufacturer statement* / Déclaration fabricant*	*Not a certification; support required
Colour / Couleur	Colourless / Incolore	Declared value
Odour / Odeur	Mild, sweet or ether-like / Doux, sucré ou éthéré	Qualitative description

8. STORAGE & HANDLING | ALMACENAMIENTO Y MANIPULACIÓN | STOCKAGE ET MANIPULATION

Keep the original, correctly identified container clean, shaded, and tightly closed. Keep away from children and animals. Use appropriate gloves and eye protection. Do not transfer to beverage or food containers. | Mantener el envase original, identificado, limpio, bajo sombra y cerrado. Mantener fuera del alcance de niños y animales. Utilizar guantes y protección ocular. No transferir a envases de bebidas o alimentos. | Conserver dans l'emballage d'origine identifié, propre, à l'ombre et hermétiquement fermé. Tenir hors de portée des enfants et animaux. Porter des gants et une protection oculaire.

9. PRECAUTIONS | PRECAUCIONES | PRÉCAUTIONS

Avoid eye and skin contact. If eye contact occurs, rinse with clean water for several minutes and seek medical attention if irritation persists. Consult the current SDS for hazard classification, first aid, PPE, spills, transport, and disposal. Do not mix unless compatibility is verified. | Evitar contacto con ojos y piel; consultar la HDS/SDS vigente. | Éviter le contact avec les yeux et la peau; consulter la FDS en vigueur.

10. TECHNICAL AND REGULATORY NOTICE | NOTA TÉCNICA Y REGULATORIA | NOTE TECHNIQUE ET RÉGLEMENTAIRE

Performance varies with engine condition, base fuel, dosage, operating conditions, and maintenance. Statements describe potential benefits and do not guarantee a specific result. Before commercial or regulatory use, validate formulation, analytical values, labeling, SDS, and market-specific requirements with the responsible technical professional. This TDS is not a substitute for the SDS.