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Supersedes all previous editions.

MATERIAL SAFETY DATA SHEET

DIESEL LUBRICITY IMPROVER

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION :

Chemical Name : DIESEL OIL ADDITIVE

Company Identification :

Ratnagiri Chemicals Pvt. Ltd.

Head Office: 611/612 Raheja Arcade, Sector 11,
CBD Belapur, Navi Mumbai – 400614.
Maharashtra, INDIA

Tel Nos +91-22-2757 0191
+91-22-2757 0236

Fax Nos +91-22-2757 0060

Factory: C-39, MIDC Lote-Parshuram Indl Area
Lote - 415722
Maharashtra, INDIA

Tel Nos +91-2356-272650
Fax Nos +91-2356-272117

Section 2 – Composition, Information on ingredients :

Chemical name : Diesel Fuel Lubricity Additive [A proprietary blend of organic esters]
No component is present at sufficient concentration to require a hazard classification for health in accordance with EC directives.

Section 3 – Hazards identification :

Hazardous Material Information System [U.S.A]	Health	0
	Fire Hazard	1
	Reactivity	0

Emergency overview :

Harmful if swallowed.

The substance is not classified as dangerous according to Directive 67/548/EEC and its amendments. Not classified as hazardous according to the criteria of NOHSC nor classified as dangerous goods according to the ADG code.

Primary hazards and critical effects : NOTICE!
Environmental Hazards : Not classified as dangerous goods according to EC criteria.



Section 4 - First Aid Measures :

Eyes : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin : Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion : Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation : Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Section 5 - Fire Fighting Measures :

General Information :

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Runoff from fire control or dilution water may cause pollution.

Extinguishing Media :

Use water spray to cool fire-exposed containers. Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 6 - Accidental Release Measures :

Spills / Leaks :

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

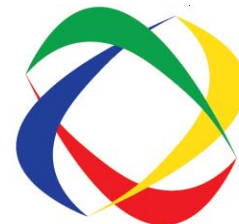
Section 7 - Storage and Handling :

Handling :

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage :

Store in a tightly closed container. Store in a cool, dry, well - ventilated area away from incompatible substances.



Section 8 - Exposure controls, Personal protection :

Engineering Controls :

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment :

Eyes :

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin :

Wear appropriate protective gloves to prevent skin exposure.

Clothing :

Wear appropriate protective clothing to prevent skin exposure.

Respirators :

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 – Physical and Chemical properties :

Appearance	:	Clear dark amber liquid
Density at 20 °C	:	0.87 – 0.93
Flash Point	:	120 °C min
Kinetic viscosity at 20 °C	:	12-21 cst

Section 10 - Stability and Reactivity :

Chemical Stability :

Stable under normal temperatures and pressures.

Conditions to Avoid :

Incompatible materials, dust generation, excess heat, strong oxidants.

Incompatibilities with Other Materials :

Oxidizing agents, strong bases.

Hazardous Decomposition Products :

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization :

Has not been reported.



Section 11 - Toxicological information :

LD50 : Oral, rat LD50=25 g/kg, skin rabbit : 500 mg open mild.

Epidemiology : No information available.

Teratogenicity : No information available.

Mutagenicity : No information available.

Reproductive Effects : No information available.

Neurotoxicity : No information available.

Section 12 – Ecological information :

Environmental Hazards : Not classified as dangerous for the environment according to EC criteria. Based on calculation.

Environmental fate : This product contains components which maybe persistent in the environment.

Section 13 – Disposal considerations:

Dispose off in a manner consistent with federal, state and local regulations.

Section 14 – Transport information:

US DOT : Not Regulated.

Canadian TDG : Not Regulated.

Section 15 – Regulatory information :

EU regulations

Risk phrases : This product is not classified according to EU legislation.

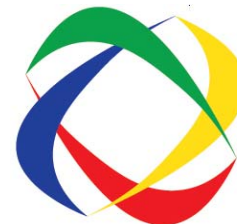
Safety phrases : Not applicable.

US regulations

SARA 313 toxic chemical notification and release reporting (w/w%) : No SARA 313 chemicals are present above the reporting threshold.

SARA 311/312 Hazardous Categorization : SARA 311/312 MSDS distribution – chemical inventory – hazardous identification. No products were found.

RQ (Reportable quantity) : CERCLA Hazardous substance . No products were found.



State – California Prop. 65 : No products were found.
Canadian regulations WHMIS (Classification) : Not controlled under WHMIS [Canada].

International Inventory Status

United States : All components on TSCA Inventory
Canada : All components on DSL
Europe : All components on EINECS
Japan : All components on METI
Australia : All components on NICNAS
Korea : All components on ECL
China : All components on IECSC
Philippines : All components on PICCS

Section 16. OTHER INFORMATION

For additional information concerning this product, contact the following:

PRODUCT EMERGENCIES

RATNAGIRI CHEMICALS PVT LTD
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The data and recommendations presented in this data sheet concerning the use of our product and the materials contain there in are believed to be accurate and are based on information which is considered reliable as of the date hereof. However, the customer should determine the suitability of such material for his purpose before adopting them on a commercial scale. Since the use our products by others is beyond our control, no guarantee, express or implied, is made and no responsibility assumed for the use of this material or the results to be obtained there from. Information on this form is furnished for the purpose of compliance with Government Health and Safety Regulations and shall not be used for any other purposes. Moreover, the recommendations contained in this data sheet are not to be constructed as a license to operate under, or a recommendation to infringe, any existing patents, nor should they be confused with state, municipal or insurance requirements, or with national safety codes.
