

SAFETY DATA SHEET

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Language: English

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product : Fuel Catalyst Reformer
Product Name : **VERDEEN CATALYST | INDUSTRIAL DIESEL**
Product Code : VC1002.P005
Classification : S.I.T.C. code: 541.619.000
HS code: 38111900

Manufacturer or Supplier's details

Supplier : PT Sahari Makmur Sejati
Jl. Gunung Sahari Raya No. 32, Jakarta Pusat 10720
Telephone : (+62) 21 625 7555
Email Contact for Safety Data Sheet : info.SDS@verdeen.id

Recommended use of the chemical and restrictions on use

Recommended use : Diesel Fuel And Blended Biodiesel (B-XX)

SECTION 2 - HAZARDS IDENTIFICATION

None as defined under Canadian Hazardous Products Act S.C. 1987, C.30 (Part 1)

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Bio Natural Oil - Proprietary Formula from Essential Oil

SECTION 4 - EMERGENCY FIRST AID INFORMATION

Description of necessary first aid measures

For Overexposure by Swallowing : If swallowed, do not induce vomiting
For Overexposure by Eye Contact : Immediately flush eyes with plenty of cool water. Do not let victim rub eyes

For Overexposure by Inhalation : Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : In case of fire, use foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only

Fire Fighting Instruction : Firefighting personnel should wear proper protective equipment

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Environmental precautions : Avoid uncontrolled releases of this material, where spill area possible, a comprehensive plan should be implemented. Prevent run-off to sewers, streams or other bodied of water. If run off occurs, notify proper authorities as required

SECTION 7 - SPILL, LEAK AND WASTE DISPOSAL

Spill or Leak Precautions : Absorb with inert, damp, non-combustible material, then flush area with water. Shovel into dry containers. Cover and move the containers Flush the area with water

Waste Disposal : All recovered material should be packed, labeled transported and disposed in conformance with applicable law and regulation

SECTION 8 - HANDLING AND STORAGE

Handling : Keep product away from open flame

Storage : Store in tightly closed original container in a dry, cool, and well-ventilated place
Keep away from heat, sparks, and open flame
Protect from freezing and direct sunlight

SECTION 9 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls : No special control required

Personal Protective Equipment

Eye/face protection	: If risk of splashing, wear safety goggles or face shield
Skin protection	: Wear apron or protective clothing in case of splashes
Respiratory protection	: Not required

SECTION 10 - PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Physical state	: Liquid
Color	: Dark Red
Boiling Point	: Over 230°C at 760mm HG Pressure
Reid Vapor Pressure	: 0 psi
Density @ 15°C	: 925.7 kg/m ³
Solubility In Water	: Negligible at room temperature
Kinematic Viscosity @ 15 °C	: 8.260 mm ² /s
Flash Point	: 66.5°C
Pour Point	: -45°C
Total Acid Number	: 0.90 mg KOH/g
Ash Content	: 0.006 %wt
Flammability	: Non-Flammable

SECTION 11 - STABILITY AND REACTIVITY

Stability	: Generally stable
Hazardous Polymerization	: No likely
Materials to Avoid	: Strong oxidizing agents / Strong acid and alkalis / Strong reducing agents / Strong mineral acid

SECTION 12 - ECOLOGICAL INFORMATION

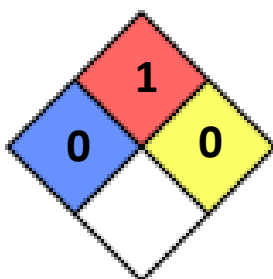
This product is biodegradable

SECTION 13 - TRANSPORT INFORMATION

Not a hazardous material according to IMDG, ADNR, ICAO-TI, RID/ADR, GGVS/GGVE

SECTION 14 - OTHER INFORMATION

Hazardous Material Information System - (U.S.A.)



Health	0 No Hazardous
Fire	1 No Flammable
Reactivity	0 Normal Stable

The information contained herein as based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from the use thereof

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