

## SAFETY DATA SHEET

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Language: English

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product : Lubricant Catalyst Enhancer  
Product Name : **VERDEEN CATALYST | ENHANCEMENT**  
Product Code : VC1005.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](mailto:info.SDS@verdeen.id)

#### **Recommended use of the chemical and restrictions on use**

Recommended use : Engine Oil, Hydraulic Oil, Transformer Oil, Grease, Cutting Oil, and others Lubricant

### 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 : 100% 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	: Light Gold
Reid Vapor Pressure	: 0 kPa
Density @ 15°C	: 0.9439 kg/L
Solubility In Water	: Negligible at room temperature
Kinematic Viscosity @ 40 °C	: 9.024 cSt
Flash Point	: 92.0 °C
Pour Point	: -39.0 °C
Total Acid Number	: 4.62 mg KOH/g
Ash Content	: 0.005 %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**

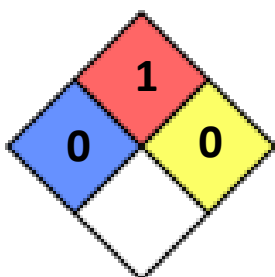
This product is biodegradable

**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 is 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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