PRECISION LUBRICATION

# MATERIAL SAFETY DATA SHEET

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| **Product Name** | SAE 40 SG/CF4 HEAVY DUTY ULTRA GUARD |
| **Product Use** | AUTOMOTIVE GEAR OIL |
| **Product Code** | |
| **Symbols** | Not Classified |
| **Labeling for Transport** | Not Classified |

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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| **Product Name** | SAE 40 SG/CF4 Heavy Duty ULTRA GUARD |
| **Supplier** | NONA INDUSTRIAL CC |
| **Updated** | April 2023 |
| **Review** | April 2025 |
| **CAS Number** | N/A |
| **Health Emergency Telephone** | (011) - Red Cross Poison |
| **Transport Emergency Telephone** | (011) 331 2947 (Haxchem) |
| **UN Number** | N/A |

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition comments
Highly refined mineral oils and additives. The highly refined mineral oil contains <3% (w/w)

## SECTION 3. HAZARDOUS IDENTIFICATION

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| **Appearance and Odour** | May be dyed. Liquid at room temperature. Slight hydrocarbon |
| **Health Hazards** | Not classified as dangerous for supply or conveyance. |
| **Safety Hazards** | Not classified as flammable but will burn. |
| **Environmental Hazards** | Not classified as dangerous for the environment. |
| **Health Hazards** | Not expected to be a health hazard when used under normal conditions. |
| **Health Hazards Inhalation** | Under normal conditions of use, this is not expected to be a primary route of exposure. |

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| **Skin Contact** | Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis |
| **Eye Contact** | May cause slight irritation to eyes. |
| **Ingestion** | Low toxicity if swallowed. |
| **Other Information** | Used oil may contain harmful impurities |
| **Signs and Symptoms** | Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea. |
| **Aggravated Medical Condition** | Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Skin. |
| **Additional Information** | Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA |

## **SECTION 4.** FIRST AID MEASURES

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| General Information | Not expected to be a health hazard when used under normal conditions. |
| **Inhalation** | No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice. |
| **Skin** | Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention. |
| Eyes | Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention. |
| Ingestion | In general no treatment is necessary unless large quantities are swallowed, however, get medical advice. |
| Advice to Physician | Treat symptomatically. |

## **SECTION 5.** FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

**Flash point :** Typical 350 C / 662 °F (COC)

**Upper / lower Flammability or Explosion limits :** Typical 1 - 10 %(V)(based on mineral oil)
Auto ignition temperature: > 320 ℃/ 608 °F

**Specific Hazards :**
Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.
**Suitable Extinguishing Media** : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

**Unsuitable Extinguishing Media :** Do not use water in a jet.

**Protective Equipment for Firefighters :** Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

## **SECTION 6.** ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. 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 all relevant local and international regulations.

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| Protective measures | Report spill as required to appropriate authorities. |
| Clean Up Methods | Slippery when spilt. Avoid accidents, clean up immediately |

## SECTION 7. HANDLING AND STORAGE

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| **Handling** | Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. |
| **General Precautions** | Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. |
| **Storage** | Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Storage Temperature: 0 - 50 °C / 32 - 122 °F |
| **Recommended Materials** | For containers or container linings, use mild steel or high density polyethylene. Unsuitable Materials : PVC. |
| **Additional Information** | Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion. |

## SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Limits Material Source Type ppm mg/m3 Notation Oil mist, mineral ACGIH TWA(Mist.) 5 mg/m3 Oil mist, mineral ACGIH STEL(Mist.) 10 mg/m3
Exposure Controls : The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

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| **Personal Protective Equipment** | Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. |
| **Respiratory Protection** | |
| **Eye Protection** | Normal industrial eye protection when handling liquids should be worn. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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| **Appearance** | Liquid |
| **Colour** | Amber |
| **Odour** | Mild |
| **Boiling Point (Celsius)** | > 280°C (Est Values) |
| **Flash Point** | 350°C |
| **Density at 20°C** | 7.51g/cm3 |
| **Solubility in water** | Negligible |

N/A = Not Applicable, N/E = Not Established, D = Decomposes
For further technical information, contact your marketing representative

## **SECTION 10.** STABILITY AND REACTIVITY

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| Stability | No specific test data related to reactivity available for this product or ingredients. |
| Conditions to Avoid | The product is stable |
| Hazardous Decomposition Produc ts | Under normal conditions of storage and use, hazardous reactions will not occur |

## **SECTION 11.** TOXICOLOGICAL INFORMATION

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| Basis for Assessment | Information given is based on data on the components and the toxicology of similar products. |
| Acute Oral Toxicity | Expected to be of low toxicity: LD50 > 5000 mg/kg , Rat |
| Acute Dermal Toxicity | Expected to be of low toxicity: LD50 > 5000 mg/kg , Rabbit |
| Acute Inhalation Toxicity | Not considered to be an inhalation hazard under normal conditions of use. |
| Skin Irritation | Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. |
| Eye Irritation | Expected to be slightly irritating. |
| Respiratory Irritation | Inhalation of vapours or mists may cause irritation. |
| Sensitisation | Not expected to be a skin sensitiser. |
| Repeated Dose Toxicity | Not expected to be a hazard. |
| Mutagenicity | Practically non-toxic (LD50: greater than 2000mg/kg). Based on testing of similar products and/or the components. |
| Carcinogenicity | Product contains mineral oils of types shown to be noncarcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects. |
| Reproductive and Developmental Toxicity | Not expected to be a hazard. |

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| Additional Information | Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible. |

## SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

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| **Acute Toxicity** | Poorly soluble mixture. May cause physical fouling of aquatic organisms. |
| **Expected to be practically non toxic** | LL/EL/IL50 > 100 mg/l (to aquatic organisms) (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract). Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l. |
| **Mobility** | Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile. |
| **Persistence/ degradability** | Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment. |
| **Bioaccumulation** | Contains components with the potential to bioaccumulate. |
| **Other Adverse Effects** | Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. |

## SECTION 13. DISPOSAL INFORMATION

Material Disposal : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.
Container Disposal : Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
Local Legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

## SECTION 14. TRANSPORT INFORMATION

US Department of Transportation Classification (49CFR) This material is not subject to DOT regulations under 49 CFR Parts 171-180. IMDG This material is not classified as dangerous under IMDG regulations. IATA (Country variations may apply) This material is not classified as dangerous under IATA regulations.

## SECTION 15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material. Notification Status EINECS All components listed. TSCA All components listed. DSL All components listed. SARA Hazard Categories (311/312) No SARA 311/312 Hazards. State Regulatory Status California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## SECTION 16. OTHER INFORMATION

NFPA Rating (Health, Fire, Reactivity) : 0, 1, 0 MSDS Version Number : 3.0 MSDS Effective Date : 07/08/2008 MSDS Revisions : A vertical bar (|) in the left margin indicates an amendment from the previous version. MSDS Regulation : The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200. MSDS Distribution : The information in this document should be made available to all who may handle the product. Disclaimer : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.

## **SECTION 17.** DISCLAIMER

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; the user therefore assumes all risks of use of the product and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product.

Nothing is intended as a recommendation for uses, which infringe valid patents, or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and use

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| **Prepared by** | NONA INDUSTRIAL CC<br>Product Technical Services |

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| For further information<br>Please contact: | Technical manager<br>P.O. Box<br>Tel: 011 664 8659 |