# Safety Data Sheet
No-Seize

## SECTION I - IDENTIFICATION

**PRODUCT NAME: NO-SEIZE**

**PRODUCT USE:** Anti-Seize compound/coating
**COMPANY NAME:** Continental Research Corporation
**COMPANY ADDRESS:** PO Box 15204 St. Louis MO 63110
**COMPANY PHONE:** 800-325-4869
**EMERGENCY PHONE: 888-255-3924 (CHEM-TEL)**

## SECTION II – HAZARDS IDENTIFICATION

**CLASSIFICATION:** Flammable Aerosol: Category 1
Liquefied Gas
Skin Irritant: Category 2
Eye Irritant: Category 2A
Specific Target Organ Toxicity (Single Exposure): Category 3
Aspiration Hazard: Category 1

**HAZARD STATEMENT(S): DANGER:** Extremely Flammable Aerosol Contains gas under pressure; May explode if heated. Causes skin and serious eye irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways.

This product contains the following percentage of chemicals of unknown toxicity**:** 8%

**PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves, eye protection, and organic vapor respirator. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Avoid breathing fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Store locked up. Dispose of contents and container in accordance with local, state, and national regulations.

**SYMBOL:**

**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

## SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENT | CAS NUMBER | PERCENT |
|---|---|---|
| Hydrotreated Heavy Naphthenic Petroleum Distillate | 64742-52-5 | 35-45% |
| Propane/n-Butane | 68476-86-8 | 10-30% |
| Heptane | 142-82-5 | 10-30% |
| Aluminum | 7429-90-5 | 3-7% |
| Graphite | 7782-42-5 | 1-5% |

## SECTION IV - FIRST AID MEASURES

**EYES:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**INGESTION**: If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

**INHALATION**: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

**SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision
Skin: defatting and dermatitis
Inhalation: Anesthetic, irritation, Central Nervous System depression

Oral: abdominal irritation, nausea, vomiting, diarrhea, aspiration risk

**CHRONIC HEALTH HAZARDS:** May cause damage to skin, lungs, respiratory and gastrointestinal tract due to prolonged and repeative exposure.

**NOTE TO PHYSICIAN:** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

## SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical, foam, or Carbon Dioxide ($CO_2$).

**UNSUITABLE EXTINGUISHING MEDIA:** Water spray/stream.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Exposure to temperatures above 120 F may cause bursting. Contains a flammable propellent. Keep away from heat, sparks, open flames and other sources of ignition.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Contain spill and eliminate ignition sources and ventilate area. Prevent spill from entering sewers, storm drains, and natural waterways. use non-combustible material like vermiculite, sand or earth for larger spills.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**RCRA STATUS:** Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.

**OTHER PRECAUTIONS:** Keep out of the reach of children.

**INCOMPATIBILITY:** None Known

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

| HAZARDOUS INGREDIENT | OSHA PEL | ACGIH TLV |
|---|---|---|
| Hydrotreated Heavy Naphthenic Petroleum Distillate | Not Established | Not Established |
| Propane/n-Butane | 1000 ppm | 1000 ppm |
| Heptane | 500 ppm | 400 ppm |
| Aluminum | 5 mg/m3 | 1 mg/m3 |
| Graphite | 2 mg/m3 | Pending |

**ENGINEERING CONTROLS / VENTILATION:** Local ventilation/exhaust may be needed in confined spaces

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved organic vapor respiratory protection.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves

**ADDITIONAL MEASURES:** Wash hands thoroughly after handling.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Thick silver aerosol

**ODOR:** Aliphatic solvent odor

**ODOR THRESHOLD:** N/D

**BOILING POINT:** Unknown

**FREEZING POINT:** N/D

**FLAMMABILITY:** Extremely Flammable Aerosol

**FLASH POINT:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**LOWER FLAMMABILITY LIMIT:** N/A

**UPPER FLAMMABILITY LIMIT:** N/A
**VAPOR PRESSURE (mm Hg):** N/A
**VAPOR DENSITY (AIR=1):** > 1 @ 77°F (25°C)
**EVAPORATION RATE:** >7
**SPECIFIC GRAVITY (H2O=1):** 0.930@ 77° F (25°C)
**pH:** N/A
**SOLIDS (%):** 70%
**SOLUBILITY IN WATER:** Non-soluble
**PARTITION COEFFICIENT: n-OCTANOL/WATER ($K_{ow}$):** N/D
**VOLATILITY INCLUDING WATER (%):** 87%
**VOLATILE ORGANIC COMPOUNDS (VOC):** 40%
**DIELECTRIC STRENGTH (Volts):** N/D
**DECOMPOSITION TEMPERATURE:** N/D
**VISCOSITY:** N/D

## SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** None Known
**CHEMICAL STABILITY:** Stable
**CONDITIONS TO AVOID:** Temperatures greater than 122°F and sources of ignition.
**INCOMPATIBILITY:** None Known
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of carbon
**POSSIBLE HAZARDOUS REACTIONS:** None Known

## SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** **Heptane** (142-82-5) $LD_{50}$ (Oral, Rat) 15,000 mg/kg; $LC_{50}$ (Inhalation, Rat, 4hr) 103 $g/m^3$; $LD_{50}$ (Dermal, Rabbit) 2,000 mg/kg
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin
**EYES:** Causes irritation, burning, redness, tearing.
**INGESTION:** Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis
**INHALATION:** Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects, and death.
**SKIN:** Causes localized defatting, irritation, may be absorbed trhough skin with systemic effects.
**MEDICAL CONDITION AGGRAVATED:** Excessive exposure will aggravate pre-exsiting skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses.
**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision
Skin: defatting and dermatitis
Inhalation: Anesthetic, irritation, Central Nervous System depression
Oral: abdominal irritation, nausea, vomiting, diarrhea, aspiration risk
**CHRONIC HEALTH HAZARDS:** May cause damage to skin, lungs, respiratory and gastrointestinal tract due to prolonged and repeative exposure.
**CARCINOGENICITY:** **OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

## SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** Not Established
**BIODEGRADABILITY:** Component or components of this product are not biodegradable.
**BIOACCUMULATION:** This product is not expected to bioaccumulate.
**SOIL MOBILITY:** This product is mobile in soil.
**OTHER ECOLOGICAL HAZARDS:** This material is toxic to aquatic life.

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.
**RCRA STATUS:** Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.
**HAZARD CLASS/DIVISION:** 2.1
**UN/NA NUMBER:** UN 1950
**PACKAGING GROUP:** N/A

**AIR SHIPMENT**
**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.
**HAZARD CLASS/DIVISION:** 2.1
**UN/NA NUMBER:** UN 1950

**SHIPPING BY WATER:**
**VESSEL (IMO/IMDG)**
**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.
**HAZARD CLASS/DIVISION:** 2.1
**UN/NA NUMBER:** UN 1950
**ENVIRONMENTAL HAZARDS WATER:** Marine Pollutant

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All Chemicals are listed or exempt.
**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None
**SARA 311/312 HAZARD CATEGORIES:** Fire Hazard
**SARA 313 REPORTABLE INGREDIENTS:** None
**STATE REGULATIONS:** California Proposition 65: None
**INTERNATIONAL REGULATIONS:** All components are listed or exempted.

| | | | |
|---|---|---|---|
| **NFPA HEALTH:** | 1 | **HMIS HEALTH:** | 1 |
| **NFPA FLAMMABILITY:** | 3 | **HMIS FLAMMABILITY:** | 3 |
| **NFPA REACTIVITY:** | 1 | **HMIS REACTIVITY:** | 1 |
| **NFPA OTHER:** | None | **HMIS PROTECTION:** | G |

## SECTION XVI - ADDTIONAL INFORMATION

**PREPARATION BY:** EHS Administrator
**DATE PREPARED:** 8/21/2013
**REVISION DATE:** 11/05/2014
N/A = Not Applicable; N/D = Not Determined

**DISCLAIMER:** To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.