

REVISION DATE: 02-29-2016

**1. IDENTIFICATION**

**TRADE NAME** CMP 91-S HIGH VACUUM SILICONE GREASE

**RECOMMENDED USE** VACUUM APPLICATIONS

**RECOMMENDED RESTRICTIONS** NONE KNOWN

**MANUFACTURER:** CAMBRIDGE MILL PRODUCTS, INC.

**ADDRESS:** 6005 ALLIANCE RD. NW  
MALVERN, OHIO 44644

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**EMERGENCY CONTACTS**

**CMP/OHIO** 1-800-262-2674 NORMAL BUSINESS HOURS

**CHEMTREC:** 1-800-424-9300 AFTER BUSINESS HOURS (NORTH AMERICA)  
1-703-527-3887 (INTERNATIONAL)

**2. HAZARDS IDENTIFICATION**

**OSHA HAZARDS:** NO OSHA HAZARDS

**GHS CLASSIFICATION:** NOT A DANGEROUS SUBSTANCE ACCORDING TO GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS).

**GHS-LABELING:** NOT A DANGEROUS SUBSTANCE ACCORDING TO GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS).

**CARCINOGENICITY:**

**IARC:** NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.

**NTP:** NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

**ACGIH:** NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

| <b>CHEMICAL NAME</b>                  | <b>CAS NUMBER</b>  | <b>EU NUMBER</b> | <b>%</b>  |
|---------------------------------------|--------------------|------------------|-----------|
| <b>BLENDED SILICONE GREASE</b>        |                    |                  |           |
| <b>SILICONE</b>                       | <b>63148-62-9</b>  |                  | <b>93</b> |
| <b>SYN. AMORPHOUS SILICON DIOXIDE</b> | <b>112945-52-5</b> |                  | <b>7</b>  |

**CONTAINS NO HAZARDOUS INGREDIENTS ACCORDING TO GHS.**

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

**INHALATION:** MOVE TO FRESH AIR. OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.

**SKIN CONTACT:** WASH CONTACT AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. IF SKIN IRRITATION OR AN ALLERGIC SKIN REACTION DEVELOPS, GET MEDICAL ATTENTION.

**EYE CONTACT:** FLUSH THOROUGHLY WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**INGESTION:** DO NOT INDUCE VOMITING. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. CALL A POISON CONTROL CENTER IMMEDIATELY.

### **5. FIRE-FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** HALON, DRY CHEMICALS. FOAM. CARBON DIOXIDE (CO2). WATER SPRAY OR FOG. DO NOT USE WATER JET OR SOLID WATER STREAM AS EXTINGUISHER AS

**THIS MAY SCATTER OR SPREAD FIRE.**

**SPECIAL PROTECTIVE EQUIPMENT: WEAR SPECIAL CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.**

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE**

**GENERAL FIRE HAZARDS: NO UNUSUAL FIRE OR EXPLOSION HAZARDS NOTED.**

## **6. ACCIDENTAL RELEASE MEASURES**

**METHODS FOR CLEANING UP: WIPE UP WITH ABSORBENT MATERIAL (e.g. CLOTH, FLEECE). CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.**

## **7. HANDLING AND STORAGE**

### **HANDLING**

**ADVICE ON SAFE HANDLING: FOR PERSONAL PROTECTION SEE SECTION 8. SMOKING, DRINKING AND EATING SHOULD BE PROHIBITED IN THE APPLICATION AREA.**

### **STORAGE**

**REQUIREMENTS FOR STORAGE AREA: ELECTRICAL INSTALLATIONS/WORKING MATERIALS MUST COMPLY WITH THE TECHNOLOGY SAFETY STANDARDS.**

**CONDITIONS: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE IN A WELL-VENTILATED DRY PLACE.**

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**BIOLOGICAL LIMIT VALUES: NO BIOLOGICAL LIMITS NOTED FOR THE INGREDIENT(S).**

**APPROPRIATE ENGINEERING CONTROLS: PROVIDE ADEQUATE VENTILATION, INCLUDING APPROPRIATE LOCAL EXTRACTION, TO ENSURE THAT THE DEFINED OCCUPATIONAL EXPOSURE LIMIT IS NOT EXCEEDED.**

### **PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY PROTECTION:** UNDER NORMAL CONDITIONS, RESPIRATOR IS NOT NORMALLY REQUIRED. WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE LIMIT THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS.

**HAND PROTECTION:** CHEMICAL RESISTANT GLOVES ARE RECOMMENDED. IF CONTACT WITH FOREARMS IS LIKELY WEAR GAUNTLET STYLE GLOVES.

**EYE/FACE PROTECTION:** GOGGLES/FACE SHIELD ARE RECOMMENDED.

**GENERAL HYGIENE:** ALWAYS WASH HANDS AFTER HANDLING THE MATERIAL BEFORE EATING, DRINKING, AND OR SMOKING.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                            |
|--|----------------------------|
| <b>PHYSICAL STATE</b>                    | <b>GREASE (SOLID)</b>      |
| <b>ODOR</b>                              | <b>MILD ODOR</b>           |
| <b>ODOR THRESHOLD</b>                    | <b>NOT AVAILABLE</b>       |
| <b>COLOR</b>                             | <b>TRANSLUCENT WHITE</b>   |
| <b>PH</b>                                | <b>NOT AVAILABLE</b>       |
| <b>MELTING POINT</b>                     | <b>NOT AVAILABLE</b>       |
| <b>SPECIFIC GRAVITY</b>                  | <b>.97</b>                 |
| <b>MOLECULAR WEIGHT</b>                  | <b>N/A</b>                 |
| <b>AUTO-IGNITION TEMPERATURE</b>         | <b>NOT AVAILABLE</b>       |
| <b>BOILING POINT/BOILING POINT RANGE</b> | <b>NOT AVAILABLE</b>       |
| <b>FLASH POINT</b>                       | <b>&gt;625 F. (329) C.</b> |
| <b>EVAPORATION RATE</b>                  | <b>NOT AVAILABLE</b>       |
| <b>VAPOR PRESSURE @ 25 (C)</b>           | <b>NOT AVAILABLE</b>       |
| <b>UPPER/LOWER FLAMMABILITY LIMITS</b>   | <b>NOT AVAILABLE</b>       |
| <b>SOLUBILITY IN WATER</b>               | <b>INSOLUBLE</b>           |
| <b>OCTANOL/H<sub>2</sub>O COEFF.</b>     | <b>NOT AVAILABLE</b>       |

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** THE MATERIAL IS STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORTATION.

**CHEMICAL STABILITY:** STABLE

**INCOMPATIBLE MATERIALS:** STRONG OXIDIZING AGENTS

**POSSIBILITY OF HAZARDOUS REACTIONS:** HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

**CONDITIONS TO AVOID:** HEAT, FLAMES AND SPARKS. AVOID TEMPERATURES EXCEEDING THE FLASH POINT.

**HAZARDOUS DECOMPOSITION PRODUCTS:** UPON DECOMPOSITION, THIS MATERIAL EMITS CARBON MONOXIDE, CARBON DIOXIDE AND/OR LOW MOLECULAR WEIGHT HYDROCARBONS.

## 11. TOXICOLOGY INFORMATION

### INFORMATION ON LIKELY ROUTES OF EXPOSURE

**INGESTION:** MAY CAUSE GASTROINTESTINAL DISCOMFORT IF SWALLOWED. DO NOT INDUCE VOMITING. VOMITING MAY INCREASE RISK OF MATERIAL ASPIRATION.

**INHALATION:** MAY BE HARMFUL IF INHALED. HOWEVER, THIS MATERIAL DOES NOT CURRENTLY MEET THE CRITERIA FOR CLASSIFICATION.

**SKIN CONTACT:** FREQUENT OR PROLONGED CONTACT MAY DEFAT AND DRY THE SKIN, LEADING TO DISCOMFORT AND DERMATITIS.

**EYE CONTACT:** MAY BE IRRITATING TO EYES.

**GERM CELL MUTAGENICITY:** NON-MUTAGENIC BASED ON MODIFIED AMES ASSAY.

**CARCINOGENICITY:** THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY IARC, ACGIH, NTP, OR OHSA. MEETS EU REQUIREMENT OF LESS THAN 3% (w/w) DMSO EXTRACT FOR TOTAL POLYCYCLIC AROMATIC COMPOUND (PAC) USING IP 346.

**US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29CFR1910.1001-1050)**

**REPRODUCTIVE TOXICITY:** CONTAINS NO INGREDIENT LISTED AS TOXIC TO REPRODUCTION.

**SPECIFIC TARGET ORGAN TOXICITY:** (SINGLE EXPOSURE) NOT CLASSIFIED  
(REPEATED EXPOSURE) NOT CLASSIFIED

**ASPIRATION HAZARD:** NOT CLASSIFIED

**CHRONIC EFFECTS:** PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION OF THE SKIN.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY:** NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISMS.

**PERSISTENCE AND DEGRADABILITY:** NOT INHERITANTLY BIODEGRADABLE

**BIOACCUMULATIVE POTENTIAL:** BIOACCUMULATION IS UNLIKELY TO BE SIGNIFICANT BECAUSE OF THE LOW WATER SOLUBILITY OF THIS MATERIAL.

**MOBILITY IN SOIL:** NOT AVAILABLE

**OTHER ADVERSE EFFECTS:** NO OTHER ADVERSE ENVIRONMENTAL EFFECTS( e.g. OZONE DEPLETION, PHOTOCHEMICAL OZONE CREATION POTENTIAL, ENDOCRINE DISRUPTION, GLOBAL WARMING POTENTIAL ) ARE EXPECTED FROM THIS MATERIAL.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL INSTRUCTIONS:** WHEN THIS MATERIAL AS SUPPLIED IS TO BE DISCARDED AS WASTE, IT DOES NOT MEET THE DEFINITION OF A RCRA WASTE UNDER 40 CFR 261. DISPOSAL RECOMMENDATIONS ARE BASED ON MATERIAL AS SUPPLIED. DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND MATERIAL CHARACTERISTICS AT THE TIME OF DISPOSAL.

**HAZARDOUS WASTE CODE:** NOT APPLICABLE

**WASTE FROM RESIDUES/UNUSED PRODUCT:** DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS. AVOID DISCHARGE INTO WATER COURSES OR ONTO THE GROUND.

**CONTAMINATED PACKAGING:** EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL. SINCE EMPTIED CONTAINERS MAY RETAIN

**PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. OFFER RINSED PACKAGING MATERIAL TO LOCAL RECYCLING FACILITIES.**

#### **14. TRANSPORTATION INFORMATION**

|             |   |
|-------------|---|
| <b>DOT</b>  | <b>NOT REGULATED AS DANGEROUS GOODS</b> |
| <b>IATA</b> | <b>NOT REGULATED AS DANGEROUS GOODS</b> |
| <b>IMDG</b> | <b>NOT REGULATED AS DANGEROUS GOODS</b> |

#### **15. REGULATORY INFORMATION**

**US FEDERAL REGULATIONS THIS PRODUCT IS NOT KNOWN TO BE A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARDOUS COMMUNICATIONS STANDARD, 29 CFR 1910.1200. ALL COMPONENTS ARE ON THE U.S. EPA TSCA INVENTORY LIST.**

**CERCLA/SARA HAZARDOUS SUBSTANCES – NOT APPLICABLE**

**TSCA SECTION 12 (b) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D) NOT REGULATED**

**CERCLA HAZARDOUS SUBSTANCES LIST (40 CFR 302.4) NOT LISTED**

**US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050) NOT LISTED**

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)**

|                          |                               |
|--------------------------|-------------------------------|
| <b>HAZARD CATEGORIES</b> | <b>IMMEDIATE HAZARD – NO</b>  |
|                          | <b>DELAYED HAZARD – NO</b>    |
|                          | <b>FIRE HAZARD – NO</b>       |
|                          | <b>PRESSURE HAZARD – NO</b>   |
|                          | <b>REACTIVITY HAZARD – NO</b> |

|   |                   |
|---|-------------------|
| <b>SARA 302 EXTREMELY HAZARDOUS SUBSTANCE</b> | <b>NOT LISTED</b> |
|---|-------------------|

|  |           |
|--|-----------|
| <b>SARA 311/312 HAZARDOUS CHEMICAL</b> | <b>NO</b> |
|--|-----------|

|                                 |                      |
|---------------------------------|----------------------|
| <b>SARA 313 (TRI REPORTING)</b> | <b>NOT REGULATED</b> |
|---------------------------------|----------------------|

**OTHER FEDERAL REGULATIONS**

**CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS POLLUTANTS LIST      NO**

**CLEAN AIR ACT (CAA) SECTION 112 ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130)**

**NOT REGULATED**

**SAFE DRINKING WATER ACT (SDWA)**

**NOT REGULATED**

**US STATE REGULATIONS                      THIS MATERIAL DOES NOT CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65): THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICALS CURRENTLY LISTED AS CARCINOGENS OR REPRODUCTIVE TOXINS.**

**US. MASSACHUSETTS RTK – SUBSTANCE LIST**

**NOT REGULATED**

**US. NEW JERSEY WORKER AND COMMUNITY RIGHT –TO-KNOW ACT**

**NOT REGULATED**

**US. PENNSYLVANIA RTK – HAZARDOUS SUBSTANCES**

**NOT REGULATED**

**US. RHODE ISLAND RTK**

**NOT REGULATED**

**US. CALIFORNIA PROPOSITION 65**

**NOT LISTED**

**INTERNATIONAL INVENTORIES**

| <b>COUNTRY(S) OR REGION</b> | <b>INVENTORY NAME</b>         | <b>ON INVENTORY</b> |
|-----------------------------|-------------------------------|---------------------|
| <b>AUSTRALIA</b>            | <b>AICS</b>                   | <b>YES</b>          |
| <b>CANADA</b>               | <b>DSL</b>                    | <b>YES</b>          |
| <b>CANADA</b>               | <b>NDSL</b>                   | <b>NO</b>           |
| <b>CHINA</b>                | <b>IECSC</b>                  | <b>YES</b>          |
| <b>EUROPE</b>               | <b>EINECS</b>                 | <b>YES</b>          |
| <b>EUROPE</b>               | <b>ELINCS</b>                 | <b>NO</b>           |
| <b>JAPAN</b>                | <b>ENCS</b>                   | <b>YES</b>          |
| <b>KOREA</b>                | <b>ECL</b>                    | <b>YES</b>          |
| <b>NEW ZEALAND</b>          | <b>NEW ZAEALAND INVENTORY</b> | <b>YES</b>          |
| <b>PHILIPPINES</b>          | <b>PICCS</b>                  | <b>YES</b>          |



**UNITED STATES & PUERTO RICO**

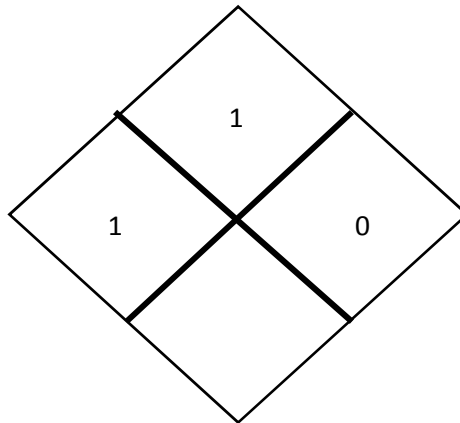
**TSCA**

**YES**

- A “YES” INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S).
- A “NO” INDICATES THAT ONE OR MORE OF THE COMPONENTS OF THE PRODUCT ARE NOT LISTED OR EXEMPT FROM THE LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING COUNTRY(S).

**16. OTHER INFORMATION**

**NFPA CLASSIFICATION**



**MANUFACTURER DISCLAIMER: THE DATA HEREIN IS BASED UPON TESTS AND INFORMATION, WHICH WE BELIEVE TO BE RELIABLE. HOWEVER, USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR USE.**