

# ***MATERIAL SAFETY DATA SHEET***

## ***CERA-LUBE FG NANO – CERAMIC GREASE***

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### **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**TRADE NAME:** CERA-LUBE

**PRODUCT USE:** NANO-CERAMIC LUBRICATING GREASE

**SUPPLIER:** NANOPLAS, INC  
1901 GODFREY AVE., SW  
GRAND RAPIDS, MI 49509  
616-452-3707  
616-452-5640

**24 hour emergency contact:**

**Infotrac**  
**EMERGENCY RESPONSE HOTLINE**  
1-800-535-5053 (US & CANADA)  
1-352-323-3500 (INTERNATIONAL)

### **2. COMPOSITION, INFORMATION ON INGREDIENTS**

**COMPOSITION COMMENTS:** CHEMICAL INGREDIENTS NOT REGULATED BY OSHA OR SARA ARE TREATED CONFIDENTLY. THIS PRODUCT CONTAINS NO INGREDIENTS AT GREATER THAN 1% WHICH HAVE BEEN ASSIGNED EXPOSURE LIMITS BY REGULATORY AGENCIES

### **3. HAZARDS IDENTIFICATION**

#### **EMERGENCY OVERVIEW ACUTE EFFECTS**

**HEALTH  
HAZARDS:**

NOT REGARDED AS A HEALTH HAZARD UNDER CURRENT LEGISLATION.

#### **CHRONIC EFFECTS**

**SENSITIZATION:** NO KNOWN INFORMATION

**CARCINOGENICITY:** IARC: NOT LISTED. OSHA: NOT REGULATED.  
NTP: NOT LISTED

**TERATOGENICITY:** NO DATA AVAILABLE TO INDICATE PRODUCT

OR ANY COMPONENTS CONTAINED AT GREATER THAN 0.1% MAY CAUSE BIRTH DEFECTS.

### **HEALTH WARNINGS**

SKIN CONTACT. REPEATED OR PROLONGED CONTACT CAN RESULT IN DRYING OF THE SKIN. INHALATION. HEATING CAN GENERATE VAPORS THAT MAY CAUSE RESPIRATORY IRRITATION, NAUSEA AND HEADACHES. INHALATION HAZARD AT ROOM TEMPERATURE IS UNLIKELY DUE TO THE LOW VOLATILITY OF THIS PRODUCT. EYE CONTACT. SLIGHTLY IRRITATING. INGESTION. CAN CAUSE DISCOMFORT

### **OTHER INFORMATION**

**ROUTE OF ENTRY:** INHALATION. SKIN AND/OR EYE CONTACT. INGESTION

**MEDICAL SYMPTOMS:** MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT DETERMINED

## **4. FIRST AID MEASURES**

**INHALATION:** MOVE THE EXPOSED PERSON TO FRESH AIR AT ONCE. FOR BREATHING DIFFICULTIES OXYGEN MAY BE NECESSARY. GET MEDICAL ATTENTION IF ANY DISCOMFORT CONTINUES

**EYES:** RINSE WITH WATER. CONTACT PHYSICIAN IF DISCOMFORT CONTINUES

**SKIN:** REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ATTENTION IF ANY DISCOMFORT CONTINUES.

**INGESTION:** DO NOT INDUCE VOMITING! GET MEDICAL ATTENTION IMMEDIATELY!

## **5. FIRE FIGHTING MEASURES**

<b>FLASH POINT (°C)</b>	> 177 Cd OC (CLEVELAND OPEN CUP)
<b>FLAMMABILITY LIMIT – LOWER(%)</b>	N/D
<b>FLAMMABILITY LIMIT – UPPER(%)</b>	N/D
<b>FLAMMABILITY CLASS</b>	NO UNIFORM FIRE CODE NOTED
<b>EXTINGUISHING MEDIA:</b>	USE: FOAM. CARBON DIOXIDE (CO2). DRY CHEMICALS, SAND, DOLOMITE ETC.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL AND DISPERSE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES AND DILUTE SPILLS TO NON- FLAMMABLE MIXTURES.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	VOLUME AND PRESSURE INCREASES STRONGLY WHEN HEATED. RISK OF CONTAINER EXPLOSION OR FIRE
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	ACRID SMOKE/FUMES. OXIDES OF: CARBON. SULFUR
<b>PROTECTIVE MEASURES IN CASE OF FIRE:</b>	SELF CONTAINED BREATHING EQUIPMENT AND CHEMICAL RESISTANT CLOTHING RECOMMENDED.

## 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS:</b>	MINIMIZE SKIN CONTACT
<b>PRECAUTIONS TO PROTECT THE ENVIRONMENT:</b>	KEEP PRODUCT OUT OF SEWER AND WATERCOURSES BY DIKING OR IMPOUNDING. ADVISE AUTHORITIES OF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES OR EXTENSIVE LAND AREAS. ASSURE CONFORMITY WITH APPLICABLE GOVERNMENT REGULATIONS.

**SPILL CLEAN-UP PROCEDURES:**

NON-HAZARDOUS SUBSTANCE. COLLECT IN CLOSED CONTAINER.

**7. HANDLING AND STORAGE**

**HANDLING PRECAUTIONS:**

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. EYE WASH STATION SHOULD BE AVAILABLE AT THE WORK PLACE.

**STORAGE PRECAUTIONS:**

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE SEPERATED FROM: ACIDS. OXIDIZING MATERIALS.

**STORAGE CRITERIA:**

CHEMICAL STORAGE.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

**PROTECTIVE EQUIPMENT:**

EYE PROTECTION

**ENGINEERING CONTROLS:**

USE ENGINEERING CONTROLS TO REDUCE AIR CONTAMINATION EXCEEDS ACCEPTABLE LEVEL.

**VENTILATION:**

NO SPECIFIC VNETILATION REQUIREMENTS NOTED, BUT FORCED VENTILATION MAY STILL BE REQUIRED IF AIR CONTAMINATION EXCEEDS ACCEPTABLE LEVEL.

**RESPIRATORS:**

NO SPECIFIC VENTILATION REQUIREMENTS NOTED, BUT FORCED VENTILATION MAY BE REQUIRED IF AIR CONTAMINATION EXCEEDS ACCEPTABLE LEVEL.

**PROTECTIVE GLOVES:**

CHEMICAL RESISTANT GLOVES REQUIRED FOR PROLONGED OR REPEATED CONTACT. USE PROTECTIVE GLOVES MADE OF LATEX.

**EYE PROTECTION:**

WEAR SPLASH-PROOF EYE GOGGLES TO PREVENT ANY POSSIBILITY OF EYE CONTACT.

**PROTECTIVE CLOTHING:**

WEAR APPROPRIATE CLOTHING TO PREVENT REPEATED OR PROLONGED SKIN CONTACT

**HYGIENIC WORK PRACTICES:** WASH AT END OF EACH WORK SHIFT AND BEFORE EATING, SMOKING AND USING THE TOILET.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

#### PHYSICAL

#### STATE:

GREASE

#### COLOR:

OFF WHITE

#### ODOR:

MILD (OR FAINT)

#### SOLUBILITY:

INSOLUBLE IN WATER

#### DENSITY:

1.0

TEMPERATURE (°C)

16

VAPOR DENSITY(air=1) >0.5

VAPOR PRESSURE < 0.01 mmHg

TEMPERATURE (°C)

20

EVAPORATION RATE:

< 1

REFERENCE

BuAc=1

## 10. STABILITY AND REACTIVITY

#### STABILITY

NORMALLY STABLE

CONDITIONS TO AVOID:

AVOID CONTACT WITH ACIDS AND OXIDIZING SUBSTANCES.

#### HAZARDOUS

WILL NOT POLYMERIZE

#### POLYMERIZATION:

POLYMERIZATION NOT APPLICABLE

#### DESCRIPTION:

#### HAZARDOUS

OXIDES OF CARBON. SULFUR

#### DECOMPOSITION

#### PRODUCTS:

## 11. TOXICOLOGICAL INFORMATION

#### TOXICOLOGICAL

#### INFORMATION:

NO EXPERIMENTAL TOXICOLOGICAL DATA ON THE

PREPERATION AS SUCH IS AVAILABLE

## **12. ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** NO DATA ON POSSIBLE ENVIRONMENTAL EFFECTS HAVE BEEN FOUND

**BIOACCUMULATION:** NOT DETERMINED

**BIODEGRADABILITY:** NOT DETERMINED

**ACUTE AQUATIC TOXICITY:** NOT DETERMINED

## **13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS:** SPILLED MATERIAL, UNUSED CONTENTS AND EMPTY CONTAINERS MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

## **14. TRANSPORT INFORMATION**

**DOT HAZARD CLASS:** NOT REGULATED

**SEA TRANSPORT:** NOT REGULATED

**AIR TRANSPORT:** NOT REGULATED

## **15. REGULATORY INFORMATION**

US FEDERAL REGULATIONS

CLEAN AIR ACT

**SARA(311/312) HAZARD CATEGOROIES** NONE

US STATE REGULATIONS

**REGULATORY STATUS (Canada)**

NOT A CONTROLLED PRODUCT

# WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM – WHIMIS

## INVENTORIES

### 16. OTHER INFORMATION

**HEALTH:** NO HEALTH HAZARDS SPECIFICALLY NOTED FOR  
FIRE SITUATIONS (0). – HMIS/NFPA

**FLAMMABILITY:** BURNS ONLY IF PRE-HEATED (1) HMIS/NFPA

**REACTIVITY:** NORMALLY STABLE (0) HMIS/NFPA

**PREPARED BY:** DON KIRCHNER

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