

MATERIAL SAFETY DATA SHEET
EXT NANO – CERAMIC GREASE (aka DAYLube™)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: EXT NANO-CERAMIC GREASE

PRODUCT USE: LUBRICATING GREASE

SUPPLIER: NANOPLAS, INC
2140 TOUHY AVE
ELK GROVE, IL 60008
847-228-6050
847-439-2411

**EMERGENCY
TELEPHONE:** DON KIRCHNER
847-877-0374

2. COMPOSITION, INFORMATION ON INGREDIENTS

**COMPOSITION
COMMENTS:** CHEMICAL INGREDIENTS NOT REGULATED BY
OHSA 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

FLASH POINT (°C) > 177 Cd OC (CLEVELAND OPEN CUP)

**FLAMMABILITY
LIMIT – LOWER(%)** N/D

**FLAMMABILITY
LIMIT – UPPER(%)** N/D

**FLAMMABILITY
CLASS** NO UNIFORM FIRE CODE NOTED

**EXTINGUISHING
MEDIA:** USE: FOAM. CARBON DIOXIDE (CO₂). DRY
CHEMICALS, SAND, DOLOMITE ETC.

**SPECIAL FIRE
FIGHTING
PROCEDURES:** 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.

**UNUSUAL FIRE
& EXPLOSION
HAZARDS:** VOLUME AND PRESSURE INCREASES STRONGLY
WHEN HEATED. RISK OF CONTAINER EXPLOSION
OR FIRE

**HAZARDOUS
COMBUSTION
PRODUCTS:** ACRID SMOKE/FUMES. OXIDES OF: CARBON.
SULFUR

**PROTECTIVE
MEASURES IN
CASE OF FIRE:** SELF CONTAINED BREATHING EQUIPMENT AND
CHEMICAL RESISTANT CLOTHING
RECOMMENDED.

6. ACCIDENTAL RELEASE MEASURES

**PERSONAL
PRECAUTIONS:** MINIMIZE SKIN CONTACT

**PRECAUTIONS
TO PROTECT THE
ENVIRONMENT:** 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 POLYMERIZATION:

WILL NOT POLYMERIZE

POLYMERIZATION DESCRIPTION:

NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS:

OXIDES OF CARBON. SULFUR

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

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