

# MSDS Information

## Section 1. CHEMICAL PRODUCT SECTION

Product Name: Transistor Silicone Grease

Product Number: 1977

General Use:

Product Description:

MANUFACTURER: Tech Spray, Inc.

P.O. Box 949

Amarillo, TX 79105-0949

PHONE: 806/372-8523

FAX: 806/372-8750

For Chemical Emergency, Spill, Leak, Fire

Exposure, or Accident Call CHEMTREC

DAY OR NIGHT 1-800-424-9300.

## Section 2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL

C.A.S. Number

Weight %

Zinc Oxide, USP

1314-13-2

> 70

This material is not

considered to be a hazard.

Products of this type are sold

to consumers, over the counter

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

Exposure Limits 8 Hours TWA (PPM)

OSHA PEL ACGIH TLV Supplier

Zinc Oxide, USP

Paste form NO HAZARD

## Section 3. HAZARD IDENTIFICATION

Emergency Overview:

Potential Health Effects:

INHALATION: Product does not contain any volatile compounds.

EYES: Mild irritation.

SKIN: Very mild, if any, irritation.

INGESTION: Nausea and diarrhea possible.

## Section 4. FIRST AID MEASURES

Inhalation:

Not likely to occur, however

Move to fresh air in case of accidental inhalation of vapors. If victim has stopped breathing, give artificial respiration. Call for prompt medical attention.

Eye Contact:

Flush eyes with large amounts of water for 15 minutes or until irritation subsides. If irritation persists, get medical attention.

Skin Contact:

Remove contaminated clothing (including shoes) and wash before reuse. Flush with large amounts of water. Use soap if available. If irritation persists, seek medical attention.

Ingestion:

Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.

Section 5.

FIRE FIGHTING MEASURES

Flash Point & Method: none, T.C.C Meth  
Flammable Limits: LEL: NA UEL: NA  
Autoignition Temperature:

GENERAL HAZARD:

None

FIRE FIGHTING INSTRUCTIONS:

Fire fighters should wear self contained positive-pressure breathing apparatus.

FIRE FIGHTING EQUIPMENT:

Water, foam, dry chemical, carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS:

Smoke, fumes and oxides of carbon.

Section 6.

ACCIDENTAL RELEASE MEASURES

LAND SPILL:

Pick up and place in appropriate container.

WATER SPILL:

Section 7.

HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient  
STORAGE PRESSURE: Atmospheric

GENERAL:

Keep container closed when not in use. Store in cool, well ventilated place out of direct sunlight and away from incompatible materials. (See STABILITY AND REACTIVITY Section 10.) Follow all MSD Sheet and Label warnings even after container is emptied.

Section 8.

EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls:

- ☒ Local Exhaust ventilation acceptable.
- ☐ Mechanical ventilation recommended.
- ☐ Use explosion-proof ventilation equipment.
- ☐ Do not use in confined spaces without mechanical ventilation equipment.

See section 2 for component exposure guidelines.

#### Personal Protection:

##### RESPIRATOR:

If concentrations are over the exposure limit and are known, air purifying respirator with Organic Vapor Cartridges may be acceptable. Refer to cartridges for acceptable levels. If concentrations are over exposure limit and are unknown, use a supplied air respirator.

##### HAND PROTECTION:

- ☒ Gloves recommended
  - ☒ Solvex ☒ Neoprene
  - ☒ Butyl ☒ Buna
  - ☒ Natural Latex ☒ Cotton/Jersey

##### EYE PROTECTION:

- ☒ Safety Glasses ☐ Chemical Goggles ☐ Full Face Shield

##### OTHER RECOMMENDATIONS:

- ☐ Rubber Boots ☐ Splash-proof chemical resistant suit/apron

#### Section 9.

##### PHYSICAL AND CHEMICAL PROPERTIES

Density.....	2.56	pH.....	NA
Boiling Point.....	NAC / NAF	% Volatile.....	0
Freezing Point.....	NIF	% Solids.....	100
Vapor Density (Air=1):...	NE	Evaporation Rate (H2O=1)...	NE
Solubility in Water.....	0	Viscosity.....	N/A
Molecular Weight.....	N/A	Physical State.....	LIQUID
Non-Exempt VOC (g/l)....	NIF	Odor.....	NIF

Appearance: Opaque white grease with low odor.

#### Section 10.

##### STABILITY AND REACTIVITY

###### GENERAL:

STABLE

###### INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

None

None

###### HAZARDOUS DECOMPOSITION:

Forced combustion yields carbon and silicone oxides.

#### Section 11.

##### TOXICOLOGICAL INFORMATION

RESULTS OF COMPONENT TOXICITY TEST PERFORMED:

Information not available.

HUMAN EXPERIENCE:

Information not available.

Section 12.

ECOLOGICAL INFORMATION

FURTHER INFORMATION:

Information not available.

Section 13.

DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 Classification:

Federal, State, and Local laws governing disposal of materials can differ.  
Ensure proper disposal compliance with proper authorities before disposal.

Section 14.

TRANSPORTATION INFORMATION

U.S. DOT Information

Basic Description: NON HAZARDOUS MATERIAL

Proper Shipping Name: N/A

Hazard Class: N/A

Packaging Group: N/A

UN Number: N/A

Limitations: N/A

IATA

Proper Shipping Name: NON HAZARDOUS MATERIAL

Hazard Class: N/A

Packing Group: N/A

UN Number: N/A

Limitations: N/A

IMO

Proper Shipping Name: NON HAZARDOUS MATERIAL

Class: N/A

UN Number: N/A

Packaging Group: N/A

EMS: N/A

MFAG: N/A

Marine Pollutant: N/A

Canadian TDG: N/A

Section 15.

REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS:

MSDS complies with OSHAs Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/SUPERFUND, 40 CFR 117, 302:

--- None of the chemicals are Superfund hazards ---

## SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986

TITLE III Sections 302, 311, 312 and 313:

Section 302 - Extremely hazardous substances (40 CFR 355):

--- None of the chemicals are Section 302 hazards ---

Section 311/312 - Material Safety Data Sheet Requirements (40 CFR 370)

(X) By our hazard evaluation, this product is non-hazardous.

( ) By our hazard evaluation, this product is hazardous. It should be reported under the following EPA hazard.

( ) Immediate (acute) health hazard

( ) Delayed (chronic) chronic health hazard

( ) Sudden release of pressure hazard

( ) Reactive hazard

Section 313 - List of Toxic Chemicals (40 CFC 372)

This product contains the following chemicals (at levels of 1% or greater) which are found on the 313 list of Toxic Chemicals.

CHEMICAL C.A.S. NUMBER WEIGHT %

--- None of the chemicals are 313 Toxic Chemicals ---

TOXIC SUBSTANCE CONTROL ACT (TSCA): All substances are TSCA Listed.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA 40 CFR 261) Subpart C &amp; D:

Refer to Section 11. for RCRA classification.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15

(FORMERLY SECTION 307), 40 CFR 116 (FORMERLY SECTION 311)

This product contains the following chemicals which are listed:

CHEMICAL C.A.S. NUMBER WEIGHT %

CLEAN AIR ACT: --- No Information ---

## STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

This product contains the following ingredients which appear on the California proposition 65 list:

CHEMICAL C.A.S. NUMBER WEIGHT %

--- None of the chemicals are on the Proposition 65 list ---

## INTERNATIONAL REGULATIONS:

CANADA WHIMS: NIF

EUROPE EINECS NUMBERS: Zinc Oxide; 1314-13-2

Section 16.

OTHER INFORMATION

## LABEL INFORMATION:

European risk and Safety Phrases: S2,S22, S38, S36/37/39, R20

European Symbols Needed: HARMFUL

Canadian WHIMS Symbols: NIF

NFPA HAZARD RATING:

( ) Fire ( ) Health ( ) Reactivity

REVISION DATES, SECTIONS, REVISED BY:

27-JULY-94, CONVERTED TO ANSI STANDARD, B. RIFFEL

26-NOV-97, REVIEWED, B. RIFFEL

28-JAN-99, Updated Section 8, B. Riffel

24-APRIL-02, Reviewed S. Redline

ABBREVIATIONS USED IN THIS DOCUMENT:

NE - Not Established, NA - Not Applicable, NIF - No Information Found

REFERENCES:

Code of Federal Regulations (CFR)

The Sigma-Aldrich Library of Regulatory and Safety Data

Chemical Guide and OSHA Hazard Communication Standard

Various Federal, State & Local Regulations

To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, Inc. or any of its subsidiaries assumes any liability whatsoever 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 hazards which exist.

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