

Material Safety Data Sheet

Food Shield Anti-Seize

ANTI-SEIZE®



TELEPHONE 715-832-4557

1. Product Identification

Product Name Food Shield Anti-Seize
Chemical Family Anti-Seize Lubricating Compounds

2. Composition

Ingredients	CAS#	HAZARD	OSHA/PEL	TLV	STEL
White Mineral Oil	0042-47-5	Irritant	5mg/m3\$2	5mg/m3\$1	10mg/m3\$
Calcium Carbonate	1317-65-3	Irritant	Not Est.	Not Est.	Not Est.
Zinc Oxide	1314-13-2	Irritant	Not Est.	Not Est.	Not Est.

3. Hazards Identification

Boiling Point (F)	>450 IBP	Specific Gravity (H20)	1.16
Vapor Pressure (mmhg)	<0.1	Color	White
Vapor Density(Air=1)	>1	Odor	Petroleum
PH @ 100%	N/A	Clarity	Opaque
% Volatile by Volume	60-65	Evaporation Rate(Bu A/C=1)	<0.1
Solubility in water	Negligible	Viscosity	Viscous

4. Fire and Explosion Data

Flash Point Non-Flam / C.O.C.
Flammable Limits N/A UEL: N/A
Extinguishing Media Foam, CO2, Dry Chemical
Special Fire Fighting Procedures Firefighters should wear a self contained breathing apparatus and full protective gear. Unusual Fire and Explosive Hazards: Do not spray direct stream of water into product as frothing and splattering may occur.
NFPA Hazard Rating (0=Insignificant, 1=Slight, 2=Moderate, 3=High, 4=Extreme)
Health: 1 Flammability: 1 Reactivity: 0 Special:

5. Physical Hazards

Threshold Limit Value 5 mg/m3 as oil mist. 1
Effects of Overexposure
Acute (short Term Exposure)
Eye contact May cause irritation seen as tearing and redness.
Skin Contact May cause mild irritation to sensitive individuals seen as itching and redness.
Ingestion May cause irritation with possible nausea, vomiting, and diarrhea.
Chronic (Long term exposure) No chronic data available. Medical conditions aggravated by exposure and pre-existing respiratory and skin conditions such as asthma, emphysema, and dermatitis.
Target organs None known. There is no primary route of entry into the body, the primary route of exposure is skin and eye contact.
Emergency First Aid Procedures
Inhalation Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Eye Contact Rinse the eyes with water. Remove and contact lenses and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.
Skin Contact Wash effected areas with plenty of soap and water for several minutes. Seek medical attention if irritation develops.
Ingestion Give three to four glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs.
Notes to Physician There is no specific antidote, treat the patient symptomatically.

6. Toxicity Information

Product contains chemicals listed as carcinogen or potential carcinogen by: IARC: No, NTP: No, OSHA: No, ACGIH: No, Other: No
White mineral oil ORl-Rat LD50: 92g/kg/92D-C 4
Calcium Carbonate ORL-RAT LD50: 6450 mg/kg 3
SKN-RBT: 500 mg/24H MOD **3
EYE-RBT: 750 UG/24H SEV **3
Zinc Oxide ORL-RAT LD50: > 5000 mg/kg 3
IHL - RAT LC50: > 200 mg/Liter/Hr **3
SKN- RBT: 500 mg/24H MOD **3
EYE-RBT: 500 mg/24H MOD **3

**These values are for inhalation of dust. Due to the fact that the product has a greasy consistency, inhalation during normal use is very unlikely.

7. Reactivity Data

Stability:	Stable
Conditions to Avoid	None Known
Incompatibility (Materials to avoid)	Strong Oxidizers such as chlorine bleach and concentrated oxygen, strong acids and bases.
Hazardous Decomposition Products	Oxides of carbon and acrid smoke fumes.
Hazardous Polymerization	Will Not Occur
Conditions to Avoid	N/A

8. Special Precautions and Spill Procedures

Steps to be taken if Material is released or spilled	Transfer solid into a properly labeled container for disposal.
Waste Disposal Methods	Dispose of in accordance with all federal, state, and local regulations.
Neutralizing Agent	N/A

9. Special Protection Information

Requires Ventilation	General ventilation is normally adequate.
Respiratory Protection	None required under normal conditions of use.
Protective Gloves	None under normal conditions of use.
Eye Protection	None under normal conditions of use.
Other Protection	None under normal conditions of use.

10. Storage and Handling Information

Storage Temperature - Indoors	
Minimum Temperature	32
Maximum Temperature	120
Handling and Storing Precautions	Always store material in its original container. Keep container tightly closed when not in use.
Other Precautions	Keep out of reach of children. Read the entire label before using the product. Follow the label directions.

11. Regulatory Information

Chemical Name	Cas Number	Upper % Limit
Zinc Compounds	N/A	15

Those ingredients listed above are subject to the reporting requirements of 313 of Title III & of the superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372
Please call 1-588-260-6225 for additional information if you are a California customer. This MSDS is not intended for the state of California.

12. References

1. Threshold limit values for chemical substances and physical agents and biological exposure indices, ACGIH, 1999.
2. OSHA PEL
3. Registry of toxic effects of chemical substances, CCINFODisc, 1999
4. Vendor's MSDS.

All components in this product can be found in the current TSCA inventory.

IRR: Irritant, Flam/Flamm: Flammable, Comb: Combustible, Corr: Corrosive, Carc: carcinogenic, Tox:Toxic, N/A: Not Applicable, N/E: Not Established, COC: Cleveland open cup, PMCC: Pensky-Martin Closed Cup, TCC: Tangliabue Closedcup, LEL: Lower explosion limit, UEL:Upper Explosion Limit, NFPA: National Fire Protection Association, IARC: International Agency for the research of Cancer, NTP: National Toxicology Program, Osha: Occupational Safety & Health Administration, ACHGIH:American Conference of Governmental Industrial Hygienists, TLV: Threshold Limit Value, PEL: Permissible Exposure Level, STEL: ShortTerm Exposure Limit, MLD:MIld, Mod: Moderate, Sev: Severe, Mut: Mutagenic, ASPHYX: Asphyxiate, PNOc: Particulates Not Otherwise Classified.

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