

335-4106

RECEIVED FROM 7239075528

04.21.1998 15:04

P. 2

007 754



**Wakefield Engineering**

60 Audubon Road, Wakefield, MA 01880  
TEL (617)245-5900 FAX (617)246-0874

007 124

007 124

007 124

007 124

007 124

### MATERIAL SAFETY DATA SHEET

FOR CHEMICAL EMERGENCY - SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT,  
CALL CHEMTREC 1-800-424-9300 DAY OR NIGHT

## SECTION 1 IDENTIFICATION

**Product Name:** WAKEFIELD 120

**WHM15 Classification:** D2B

**General Chemical Description:** Silicone Compound

**Proper Strip Name:** D.OT. Not Restricted

**HMIS -NAPA:** 1-1-O-C

**Un No:** None

## SECTION 2 INGREDIENTS

Components	Percent By Weight	Exposure Guidelines	
		OSHA Pel	ACGIH TLV
Zinc Oxide (Cas# 1314-13-2)	60-70%	10mg/m3	10mg/m3
Silicone Resin (Cas# 63148-62-9)	30-40%	NE	NE

## SECTION 3 PHYSICAL DATA

**Boiling Point (°F):** ND

**Vapor Pressure at 25°C:** Negligible

**Percent Volatiles By Weight:** Negligible

**Appearance and Odor:** White Paste

**Specific Gravity (Water = 1):** 2.20

**Solubility In Water:** ND

**Vapor Density:** ND

The information contained herein is based upon data considered true and accurate. However, Wakefield Engineering makes no warranties expressed or implied as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for users consideration, investigation, and verification, since the use and conditions of use of this information and the material described herein are not within the contract of Wakefield Engineering. Wakefield Engineering assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to Wakefield Engineering terms and conditions of sale including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.

# WAKEFIELD ENGINEERING SAFETY DATA

Specific Heat 0.42 BTU °F/LB. Shelf life 5 years from date of mfg.

## SECTION 4 FIRE AND EXPLOSION HAZARD DATA

### *Flash Point (Degree °F):*

Not established: >300°F

### *Flammable Limits:*

Not Established

### *Extinguishing Media:*

Carbon Dioxide, Dry Chemical, Foam, Water Fog.

### *Unusual Fire or Explosion Hazard:*

Decomposition and combustion products may be toxic. Closed containers may violently rupture under fire conditions.

### *Special Firefighting Procedures:*

Firefighters/rescue personnel should wear positive pressure, self contained breathing apparatus and full protective equipment. Cool exposed containers with water to prevent pressure buildup. If large quantities of material are involved, evacuate area and fight fire from a safe distance.

## SECTION 5 REACTIVITY DATA

### *Product Stability:*

Product is stable under normal handling and storage conditions. Hazardous polymerization will not occur; however, review reactivity data concerning conditions to avoid incompatible substance.

### *Incompatibilities:*

Incompatible with strong oxidizers, acids, bases.

### *Hazardous Decomposition Products:*

Carbon monoxide, carbon dioxide, oxides of silicon, and other organic substances may be formed during combustion. Formaldehyde may be evolved at temperatures >300°F. The chemical nature and quantity of decomposition byproducts will vary widely depending on the conditions of combustion.

### *Conditions To Avoid:*

The information contained herein is based upon data considered true and accurate. However, Wakefield Engineering makes no warranties expressed or implied as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for users consideration, investigation, and verification, since the use and conditions of use of this information and the material described herein are not within the control of Wakefield Engineering. Wakefield Engineering assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to Wakefield Engineering terms and conditions of sale including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.

# WAKEFIELD ENGINEERING SAFETY DATA

Storage in open containers, exposure to open flame or uncontrolled exposure to heat, uncontrolled mixing with curing agents or exposure to incompatible substances.

## SECTION 6 SPILL OR LEAK PROCEDURES

Spill response operations must be conducted in accordance with the provisions of OSHA 29CFR 1910.120. Review the entire MSDS before proceeding with spill response.

### *For Small Spills:*

Activate available exhaust ventilation equipment in the immediate spill area. Wipe up or absorb spilled material with vermiculite or other similar material. Wash area with soapy water; area will be slippery until cleaned. Collect absorbed material and water rinses in appropriate containers. Dispose of in accordance with Federal, State and Local regulations.

### *For Large Spills:*

Limit access to the spill area. Shut off source of the release if this can be done without risk of injury. Activate available exhaust ventilation systems in the area. Dike area to contain spill and prevent releases to sewers or other waterways. Collect spilled material for salvage/disposal. Apply absorbent material to soak up residue. Wash area with soapy water; area will be slippery until cleaned. Prevent runoff from entering waterways. Transfer absorbed material and water rinses to appropriate waste containers. Dispose of in accordance with Federal, State and Local regulations.

## SECTION 7 HANDLING AND SPECIAL PRECAUTIONS

The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because usage conditions will vary depending on customer application, specific safe handling procedures should be developed by a person knowledgeable in the intended usage conditions and equipment. Employees must be properly trained in safe handling of this product prior to use.

### *Personal Protection:*

This product can cause eye irritation. Prevent eye contact through the use of chemical safety glasses, splash proof chemical goggles, or face shield. This product can cause slight skin irritation. Wear appropriate protective gloves to minimize skin contact. If necessary, a proper chemical-resistant apron and additional impervious clothing should be used to minimize skin contact and prevent contamination of clothing. Normal work clothing should be washed before reuse. Wash hands and face thoroughly after handling this product and before eating, drinking or smoking. Emergency eye wash facilities and safety shower should be available.

The information contained herein is based upon data considered true and accurate. However, Wakefield Engineering makes no warranties expressed or implied as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for users' consideration, investigation, and verification, since the use and conditions of use of this information and the material described herein are not within the contract of Wakefield Engineering. Wakefield Engineering assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to Wakefield Engineering terms and conditions of sale including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.

# WAKEFIELD ENGINEERING SAFETY DATA

## *Ventilation Recommendations:*

Provide effective mechanical exhaust ventilation to draw vapors, mists or fumes generated during processing away from the worker, and prevent routine inhalation. This is necessary especially during elevated temperature processing. Ventilation must be sufficient to maintain airborne levels of Section 2 ingredients below their PEL/TLV values. Use an appropriate, properly fitted respirator if exposures exceed PEL/TLV values. The type of protection selected (SCBA, air-purifying, etc.) will depend upon the conditions of use. Observe OSHA regulations for respiratory protection (29CFR 1910.134).

## *Storage:*

Store in a cool, dry location with adequate ventilation. Keep container tightly sealed when not in use. Keep away from open flames and heat sources. Consult the product Technical Bulletin for detailed storage information.

## SECTION 8 HEALTH HAZARD DATA

### *Route of Exposure:*

Skin and eye contact.

### *Medical Conditions Aggravated By Exposure:*

No data is available for this product mixture.

### *Eye Contact:*

Contains materials irritating to the eyes. Symptoms may include blurred vision, burning sensation and tearing.

### *Skin Contact:*

May cause slight skin irritation.

### *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.

### *Ingestion:*

Harmful if swallowed.

### *Chronic Health Effects:*

None known.

## SECTION 9 FIRST AID PROCEDURES

The information contained herein is based upon data considered true and accurate. However, Wakefield Engineering makes no warranties expressed or implied as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for users' consideration, investigation, and verification, since the use and conditions of use of this information and the material described herein are not within the contract of Wakefield Engineering. Wakefield Engineering assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to Wakefield Engineering terms and conditions of sale including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.

# WAKEFIELD ENGINEERING SAFETY DATA

## *Eye Contact:*

Flush eyes thoroughly with water for at least 15 minutes while holding eyelids open. Get medical attention.

## *Skin Contact:*

Remove any contaminated clothing and flush the affected area of the skin thoroughly with plenty of water. Follow by washing with soap and water. Get medical attention if irritation persists. Do not reuse contaminated clothing until properly cleaned.

## *Inhalation:*

Remove victim to fresh air. Provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get immediate medical attention.

## *Ingestion:*

Dilute by giving plenty of water to drink, if victim is conscious and alert. Never give anything by mouth to a drowsy, unconscious, or convulsing person. Get immediate attention.

## SECTION 10 ADDITIONAL INFORMATION

### *TSCA Status:*

All components of this product are listed in the EPA Toxic Substance Control Act Inventory.

### *SARA Status:*

The components listed in Section 2 which are substances regulated by the SARA Section 313 amendments to RCRA are as follows:

Zinc Oxide (1314-13-2)

### *Special Notes:*

Date Prepared: 1/18/94  
Prepared By: David F. Hegarty  
Revision Information: Typed 8/1/95

### *Abbreviations:*

NA = Not Applicable  
MG/M3 = Milligrams Per Cubic Meter  
C = Ceiling Concentration  
ND = Not Determine  
PM = Parts Per Million  
NE = Not Established  
C = Ceiling Concentration

The information contained herein is based upon data considered true and accurate. However, Wakefield Engineering makes no warranties expressed or implied as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for users consideration, investigation, and verification, since the use and conditions of use of this information and the material described herein are not within the contract of Wakefield Engineering. Wakefield Engineering assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to Wakefield Engineering terms and conditions of sale including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.

# WAKEFIELD ENGINEERING SAFETY DATA

STEL = Short Term Exposure Limit

The information contained herein is based upon data considered true and accurate. However, Wakefield Engineering makes no warranties expressed or implied as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for users consideration, investigation, and verification, since the use and conditions of use of this information and the material described herein are not within the contract of Wakefield Engineering. Wakefield Engineering assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to Wakefield Engineering terms and conditions of sale including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.