



## **CONTACT INFORMATION**

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Arizona Geological Survey  
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02/14/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: PICKETPOST CLINOPTILOLITE

ALTERNATE NAMES:

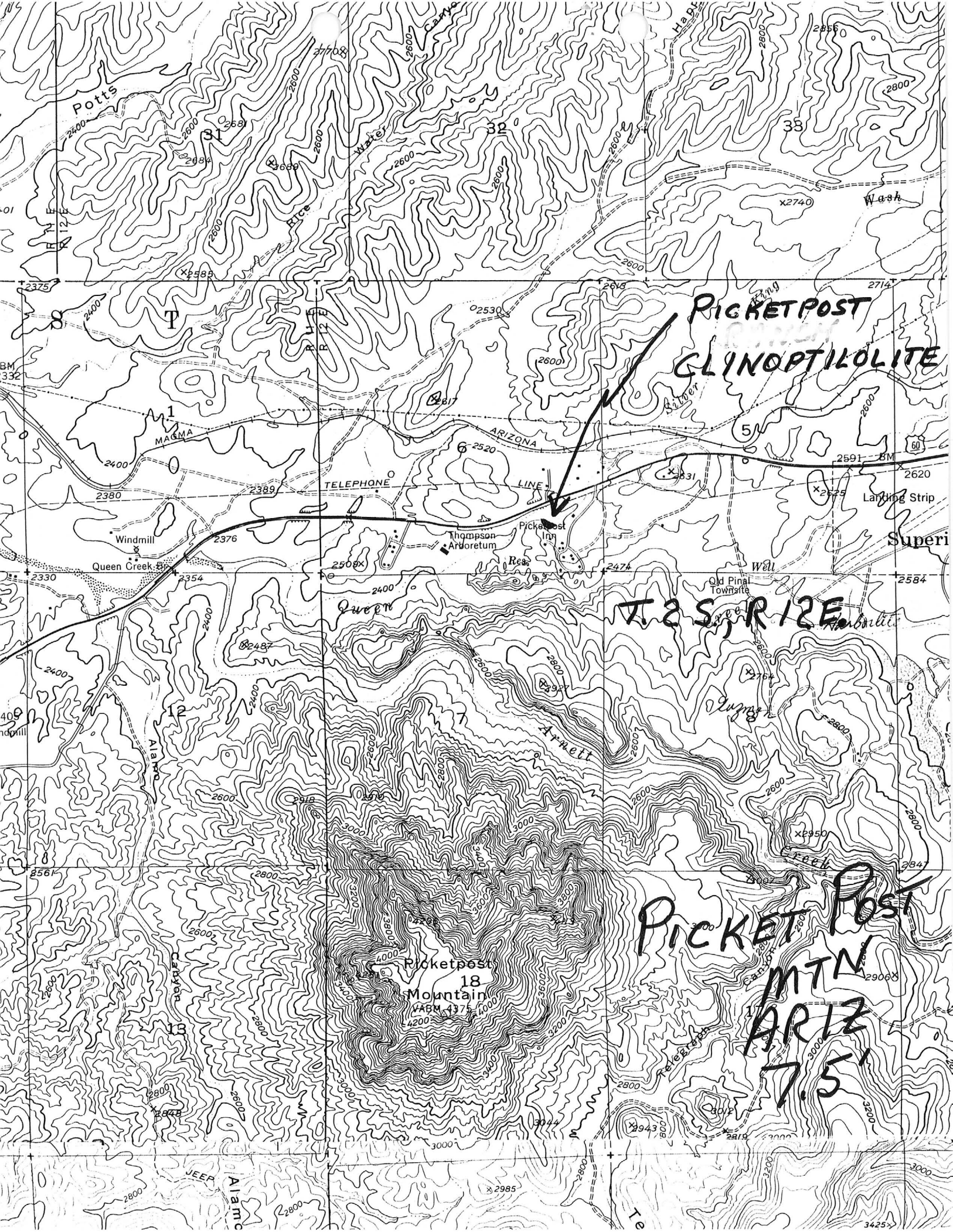
PINAL COUNTY MILS NUMBER: 757

LOCATION: TOWNSHIP 2 S RANGE 12 E SECTION 6 QUARTER SE  
LATITUDE: N 33DEG 17MIN 01SEC LONGITUDE: W 111DEG 09MIN 05SEC  
TOPO MAP NAME: PICKETPOST MTN - 7.5 MIN

CURRENT STATUS: ACTIVE

COMMODITY: ZEOLITES CLINOPTILOLI

BIBLIOGRAPHY: ADMMR PICKETPOST CLINOPTILOLITE



PICKETPOST  
GLINOPTILOLITE

TAS, RIZE

PICKETPOST  
MTN  
ARIZ  
7.51

Potts

T

1  
MAGMA

TELEPHONE LINE

ARIZONA

Windmill

Queen Creek Br.

Thompson Arboretum

Picketpost Inn

Superi

Old Pinal Townsite

12

Picketpost Mountain 18  
VABM 4375

JEEP  
Alamo

The first step toward eradicating any odor is the removal of the odor source. Understandably, that odor may be your first born child or the family pet. Oftentimes however, it is the cigarette butt, the pet accident, the fruiting mildew, the burned wood (or is it dinner?!), the spoiled food, dead animal, or those stinky gym shoes. If possible, these should be cleaned or removed from the treated area. **THE COMBINATION OF POWDER ON FLAT SURFACES AND THE COMMERCIAL APPLICATION PACKAGE PLACED CLOSE TO THE ODOR SOURCE OR IN THE COLD AIR RETURN WITH THE FAN ON HAS PROVED TO BE THE MOST EFFECTIVE METHOD OF ODOR CONTROL.** NonScents is non-toxic to humans and pets and should be kept out of reach of small children.

### Powder

Clean the effected area. Sprinkle the powder on the carpeting, tile or floor. Turn on fan in area. Leave on overnight or longer. Vacuum or sweep. If the area has been urine saturated, reapply the powder and leave two more days. Repeat as necessary. One can covers a 10' x 10' area. For use on concrete, gravel, or grass areas with N.O.C. If used outdoors, apply and leave. Use generous amounts around drain area where odors accumulate. For use with mildew, apply and leave 4-5 days. Sweep and remove. For use in cat litter boxes, add 2-4 table-spoons when you change the litter. Scoop the box as usual. Fill ashtray with powder, extinguish cigarettes, strain the butts, and reuse the powder. Use with commercial application packages.

### Four Packs (Small)

Place two packs in refrigerator, more if full, to prolong life of fruits, vegetables, and meat, and to eliminate odors. Place two or more packs in freezer to reduce odors on food and ice. Place two bags under front seats of car, two in trunk to control smoke and auto emission odors. Place one bag under liner in garbage can or diaper pail. Place near occasional smoker to control smoke odor. See desorbing instructions.

### Commercial Application Package (Large Bags)

Place bag close to odor source to control pet, mildew, or smoke odors. Refer to Product Use Guidelines for quantity of bags needed. Place

bag in cold air return of forced air system to reduce household odors. Turn on fan. Place low in areas for pet odors. Place multiple bags in kennels, used with powder or N.O.C. For use in areas where odors are combined or significant. See desorbing instructions. Container available for commercial use.

### Clean Room Filters

Removes irritants that cause hay fever and impairs breathing, such as pollen, smoke, dust, mildew, mold spores, and other bothersome particulates. Install filter over or under register vent. When filters become saturated, simply throw them away. Average length of use under normal conditions is four months.

### N.O.C. For Big Odor Problems: Natural Odor Catalysts

Natural Odor Catalysts speed up natural occurring processing that helps eliminate odors in 3-7 days. N.O.C. can be used in conjunction with NonScents adsorbents to enhance results. N.O.C. is odorless, organic, contains no harsh chemicals or toxic substances. N.O.C. is concentrated liquid that is water activated. Used for grease traps, septic systems, animal houses, runs, kennels, sewage lift stations, manure pits, waste lagoons and holding tanks.

### PRO

Pro is a fine odorless talc powder that can be used directly on people or animals. It can be applied on the feet or in the shoe for foot odor. Pro can be worked into an animal coat and brushed through to reduce animal odor. Excellent used on skin as an insect repellent.

### Desorbing Instructions

Simply place bags outside in the sun, or on less favorable days place saturated bags (smelly) in a black or dark colored plastic garbage bag. Squeeze air out of bag and tie the top. Place the bag outside where it will get the greatest exposure to sunlight. During the day, the bag will heat up. Desorption will take place, and the bag may inflate. Just before sunset, open the garbage bag and take the NonScents out. Invert the garbage bag so that the inside becomes the outside. Put the NonScents bags back into the garbage bag, retying the top. Continue this procedure until the odor in the NonScents bags disappears, several days to one week.

### Price List

1Lb Can Powder.....	\$ 15.00	Pro Foot Powder.....	\$ 8.00
Case 1 Lb Can Powder (32).....	\$410.00	Case PRO Foot Powder (60).....	\$410.00
4-Pack Bags (small).....	\$ 20.00	NOC.....	\$ 28.00
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Case Comm. App. Pkg (20).....	\$410.00	50Lb Drum 1/8 Grind.....	\$410.00
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Capsules for Ostomate Bags.....	\$ 13.00	250Lb Drum Powder.....	\$1600.00
Case Capsules for Ost Bags (40)...	\$435.00	250Lb Drum 1/8 Grind.....	\$1600.00
Clean Room Filter.....	\$ 16.00	250Lb Drum 1/2 Grind.....	\$1600.00
Case Clean Room Filter (25).....	\$410.00	Larger quantities available at bulk price	

Effective August 1, 1990; Subject to change.

To order, contact:

**Seryco**

**Distributors needed!**

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**3919 W. Krall Phoenix, AZ 85019**

**(602) 934-6006**

**INDEPENDENT DISTRIBUTOR**

# NON SCENTS

## NonScents Product Use Guidelines

Every odor situation is unique. Use these guidelines as a starting point. The more product that you use, the faster the odors will be controlled. Always use more product than you think the situation requires.



Category	Uses	Rate of Application
Areas with no detectable continuing odor source — average room — no pets — no smoke	Refrigerators Automobiles Average Room	1-2 applicator bags per refrigerator 1-2 applicator bags per 100 square feet
Areas with slight continuing odor sources, occasional smoking, small pet, etc.	Offices Average Room Automobile Hotel Rooms	2-4 applicator bags per 100 square feet, or 1 commercial application package per 200 square feet. Use NonScents powder as needed. 2-4 tablespoons of NonScents Powder per litter box.
Areas with obvious continuing odor source: smoking areas, pet odors, slight detectable amounts of ammonia, formaldehydes, or carbon monoxide. (below NIOSH standard).	Designated smoking areas, restaurants, bars, automobiles, doctor and dentist offices, hotel rooms, homes, beauty shops, mail shops, video stores, hospital rooms, saunas, retail clothing stores, nursing homes, grocery stores, locker rooms, barns, print shops, kennels, boards, rest rooms, deli cases, and flower cases.	1-2 commercial applicator packages per 100 square feet placed in vents or near odor source. Use NonScents Powder as needed for carpets, ashtrays, furniture, and drains. Powder may be vacuumed. 1-2 commercial applicator packs* for commercial refrigerator and deli and flower cases.
Moderate restoration areas with heavy continuing odors, detectable levels of formaldehyde, carbon monoxide, or ammonia near or slightly above NIOSH standard.	Flood and fire sites, industrial work areas, paint shops, funeral homes, sick buildings, firemen's lockers, blueprint machines, walk-in coolers.	2-5 commercial applicator packs* per 100 square feet. Use powder as necessary. For restoration situations, rotate and desorb once monthly. Leave bags outdoors for at least one week.
Heavy restoration; heavy odors; uncomfortable breathing; severe sick building complaints; heavy smoke or flood damage; excessive levels of formaldehyde, ammonia, or carbon monoxide	Fire and flood sites, industrial work areas, sick buildings, seafood walk-in coolers.	5-10 commercial application packs* per 100 square feet. Use NonScents Powder at rate of 1 pound per 100 square feet of carpet. Vacuum after 24 hours, repeat as necessary. 10 Commercial application packs per walk-in cooler.

\*Caps can be replaced with bulk product at a rate of two pounds per cap.

We Solve Odor Problems! • Money-Back Guarantee! • Free Estimate!

*Picketpost Clinoptilolite (file) MS*

# NON SCENTS

*Pinal County*

## Clean Air System

*11/90*

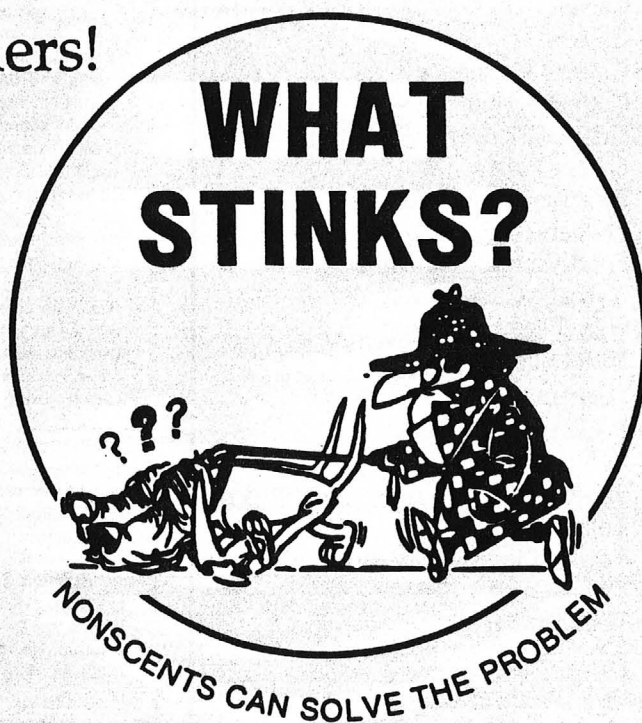
No Fragrance • No Perfume  
No Chemicals

### Smoke • Bacterial Odor • Adsorbent

100% Natural Minerals

### We Remove

- Pet Odor
- Smoke Odor
- Waste Odor
- Chemical Odor
- And many others!



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# Suggested Uses for

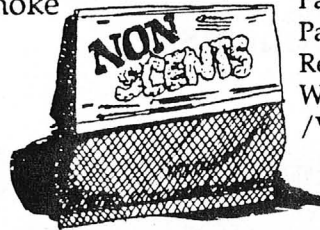
## Powder

- Ambulance
- Ashtrays
- Automobile
- Bedding Material
- Baseboard
- Bee Sting
- Carpeting, Tile
- Colostomy Bag
- Draperies
- Dry Animal Shampoo
- Fire Restoration
- Foot Soak
- Furniture
- Hardwood Floors
- Hospital
- Gasoline Accidents
- Kennel Runs, Drains
- Kitty Litter
- Laundry Additive
- Mildew
- Mortuary
- Permanent Solution
- Pet Accidents
- Shoes



## Commercial Application Bags

- Air Conditioning Systems
- Airplanes
- Automobiles
- Barns, Livestock Areas
- Bathtubs, Jacuzzis, Hot Tubs
- Campers, Vans, Motor Homes
- Cat Litter Box
- Cigar, Cigarette Smoke
- Cold Air Returns
- Computer Rooms
- Fireplaces



- Garages/Utility Rooms
- Hospitals
- Kennels, Whelping Crate
- Kitchens
- Mildew, Basements
- Nursery
- Office Areas
- Paint/Skunk Smells
- Patients' Rooms/Nursing Homes
- Rest rooms
- Walk-in Coolers (Seafood /Vegetables/Flowers)

## Small Bags (1/4 lb.)

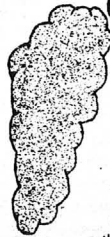
- Ashtrays
- Automobile
- Baseboards
- Bathrooms
- Cages
- Closets
- Clothes Washer
- Cooking Area
- Crisper Drawer
- Diaper Pails
- Fish Tanks (opened)
- Flowers
- Food Vending Machines
- Garbage Cans
- Gym Bags
- Hotel Room
- Lockers
- Pockets in Clothes
- Refrigerators, Freezers
- Shoes
- Toilet Tank
- Towel/Linen Areas
- Truck Cab
- Vacuum Bags



## Household

### Odors

### GASES



You've got 'em. Every house does. They're in your refrigerator, in your carpet, restrooms, closets ... everywhere. The problem ... odors. In order to find the most efficient means of controlling them it is important to understand what they are. The loaded cigarette ashtray, the old tomato in your refrigerator, the pet "accident," and the diaper pail are not odors. They are odor sources, but the odor itself is a gas, and its strength depends on how much of the odor source has "volatilized" or turned to gas.

Many household odors are caused by bacteria and bacterial decomposition, or breakdown of the odor source material. For example, the odor source in diaper pails or pet accidents is urea. Once the urea has been broken down by bacteria, it turns to ammonia. As the ammonia becomes a gas and enters the air you breathe, you can (choke, gag) smell it. Even after a cigarette has been snuffed out, the smoke odor remains free floating in the air and settles into carpets and upholstery and is continually stirred up by air currents. Also, that ashtray full of extinguished butts will steadily emit fumes over a long period of time. Other hazardous and offensive household gases are: sulfur dioxide, formaldehyde, benzene, and carbon dioxide just for starters.

The most common procedure used against odors is to spray another chemical gas or burn a chemically treated candle or use an evaporating chemical solid product to cover up the offensive odor. In reality, all this does is add to the problem!

At last, there is a natural way to solve your odor problems ... NonScents. NonScents is a natural mineral that literally takes odors out of the air. No cover-up. No fragrance. No perfumes. Nothing to irritate an allergy or add to the gas/odor problem.

For this reason, it is considered to be the preferred approach to odor control in most situations. Non-Scents is a naturally occurring alumina silicate compound with a negative ionic charge ... a zeolite. The dust that carries your household gaseous odors has a positive ionic charge. Non-Scents' negative charge attracts the positively charged dust particles that carry your household gaseous odors and pulls them out of the air and holds them to its vast internal surface area (a four-ounce bag of NonScents has a surface area equivalent to that of a football field!). This process is known as adsorption, a chemical/electrical process, as opposed to absorption (what a sponge does) a physical/mechanical action.

Using Non-Scents is easy. You just set it out as close to the odor source as possible and let it work. Put a bag in your refrigerator to control odors and increase the shelf life of your meats and produce.

Sprinkle the powder in diaper pails, pet areas, "smoky" carpets, clothes closets, furniture, and cars. Drop a bag in your shoes at night. Put it in artificial flower arrangements in your restrooms, living rooms, and bedrooms. The important thing to remember is that you are fighting gases; if the odor persists, then there is more volatilized gas than had originally been estimated. The more product you apply, the faster and longer NonScents will work for you.

Start living healthier and more comfortably in your home. Remove odors the natural way ... with NonScents.



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# **NON** **SCENTS**

## Clean Air System

No Fragrance • No Perfume  
No Chemicals

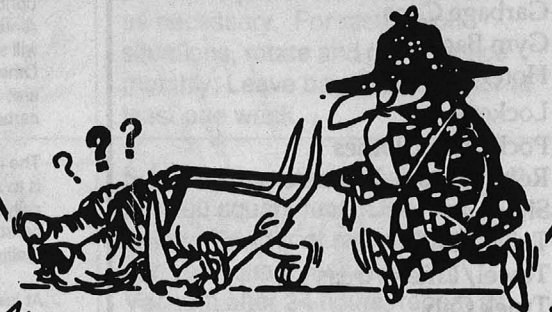
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- Pet Odor
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- And many others!

## WHAT STINKS?



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NONSCENTS CAN SOLVE THE PROBLEM



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**SALES & MARKETING**

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**(602) 934-6006**

**INDEPENDENT DISTRIBUTOR**

Date Printed: 07/25/94

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

Information from: Elaine Shirley

Company: Mag-Su-Hiro

Address:

City, State ZIP:

Phone: 401-231-2085

MINE: Picketpost Clinoptilolite

ADMMR Mine File: Picketpost Clinoptilolite

County: Pinal

AzMILS Number: 757

SUMMARY

As related to her affiliation with Mag-Su-Hiro Industries of Japan, a large laundry concern, Ms. Shirley reported she has learned that Non Scents' annual sales of clinoptillolite is \$24,000 to \$36,000 per year. At their price of about \$10-\$15 per pound that is only 0.8 to 1.8 tons per year.

We continue to receive calls from throughout the United States inquiring about "Zeolite From Arizona" used as an odor adsorber from this deposit.

Ken A. Phillips, Chief Engineer Date: July 25, 1994 ✓

Date Printed: 11/19/92

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

Information from: **FIELD VISIT BY DEPARTMENT ENGINEER**

Company:

Address:

City, State ZIP:

Phone:

**MINE: Picketpost Clinoptilolite**

**ADMMR Mine File: Picketpost Clinoptilolite**

**County: Pinal**

**AzMILS Number: 757**

SUMMARY

A reconnaissance visit was made to the mine during a trip to another property. It appears that 50 to 100 tons of clinoptilolite has been quarried since the date of my last visit. A small (6' X 6') hopper and grizzly have been set up on the property.

We continue to receive calls from throughout the United States inquiring about "Zeolite From Arizona" used as an odor adsorber from this deposit.

Ken A. Phillips, Chief Engineer

Date: November 17, 1992

VIS9.17

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

1. Information from: Ken Phillips
2. Address:
3. Phone:
4. Mine or property name: Picketpost Clinoptilolite
5. ADMMR Mine file: same
6. County: Pinal
7. MILS number: 757
8. Operational Status:
9. Summary of information received, comments, etc.:

While driving to Mammoth on September 19, 1990, passed the subject property and noted the stockpile described in my report of Feb. 6, 1990 has been removed.

Date: Sept. 19, 1990

Ken A. Phillips

**MINE AND PROSPECT FIELD VISIT DATE SUMMARY**

Sheet 1 of 2

**COMMODITIES:** Zeolites Clinoptilolite

**MILS ID No.:** New

**DATE:** Feb. 6, 1990

**ENGINEER:** Ken Phillips

**INFORMATION FROM:** Field visit on above date

**PROPERTY SUMMARY**

**I. MINE NAME:** Picketpost Clinoptilolite

**II. LOCATION:** T. 2S, R. 12E **SEC(S):** SE,SE, sec 6

**ELEV.:** 2480 **COUNTY** Pinal **TOPO QUAD** Picketpost mtn 7 1/2

**DIRECTIONS:** Immediately south of U. S. Hwy 60 on south side of Silver King Wash. Access gate at mile past 223.6.

**MAP ATTACHED**

**III. OWNERSHIP: NAME** Mr. & Mrs. W. Z. Rose **PHONE:** 689-5610

**ADDRESS:** P. O. Box 444, Superior, Arizona 85273

**COMPANY NAME IF ANY:**

**PERTINENT PEOPLE:** Mr. & Mrs. Rose, Owners; "Rainbow" a contractor; and Bob Houston; and an operating company or broker name Calabar.

**IV. PROPERTY AND HOLDINGS:** Fee land and minerals. \$12.00 royalty per ton

**V. PAST PRODUCTION:** Approximately 500 tons mined and stockpiled. About 100 tons shipped.

**VI. CURRENT STATUS:** Producer - Intermittant basis for stockpile; ship as needed.

**VII. WORKINGS:** Quarry. Two benches; lower 10' wide; 100' long, 6' high face. Appears primarily to be to provide working space above wash. Upper bench 20' wide, 100 ; long, 12' in white bedded material.

Sheet 2 of 2

**VIII GEOLOGY AND MINERALOGY: DEPOSIT TYPE:** Altered (zeolitized) tuff.

**LENGTH:** +100' **WIDTH** +100' **STRIKE:** E-W **DIP:** 20 deg N

**HOST ROCK:** Picketpost mountain volcanics

**ECONOMIC MINERALS:** Clinoptilolite

**IX. EQUIPMENT ON SIGHT:** None on day of visit. Picture date 1-15-1990 shows small tracked excavator.

**X. SAMPLING: NOTE TYPE IF ANY, DRILLING?:** One sample, ADMMR 28153

JOHN C. ARNOLD  
ATTORNEY AT LAW  
64 EAST BROADWAY ROAD, SUITE 250  
TEMPE, ARIZONA 85282-1355  
PHONE: 967-7170

RECEIVED  
GOVERNOR'S OFFICE  
JAN 31 1 22 PM '90

January 23, 1990

ROSE MOFFORD  
Governor  
State of Arizona  
State Capitol  
Phoenix, Arizona

Dear Governor:

Enclosed is a picture of the mining that is being done near the Boyce Thompson Arboretum in Superior, Arizona. The plans of the miners are to scoop out the entire mountain that they are working on. This will create an extremely bad eyesore for Superior and the Arboretum.

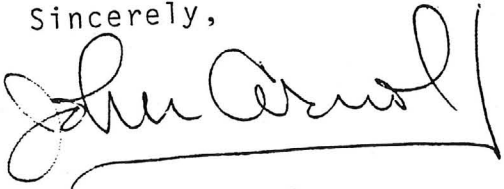
The mining is unnecessary since there are other deposits of the material that is being mined in more distant spots from Superior and the Arboretum.

The Arboretum is run by the University of Arizona, and is a State-owned facility. Furthermore, it is internationally reknowned and attracts visitors from around the world.

The material being mined is for construction materials, and is not a precious vein of ore.

If you would work at stopping this mining, it would be greatly appreciated by the residents of Superior, the businessmen of Superior, and the visitors to the Arboretum.

Sincerely,



JOHN C. ARNOLD  
ATTORNEY

*Sandail*  
*Calabas* Bob Houston  
426 N 49<sup>ST</sup>  
44<sup>ST</sup> & Van Buren  
Suite 350  
275-3268  
220-0147

*Huber*

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DEPT. OF MINES &  
MINERAL RESOURCES

TEXT OF DRAFT LETTER TO GOVERNOR'S OFFICE IN RESPONSE TO ARNOLD'S LETTER

February 14, 1990

Dear Mr. Arnold:

Thank you for the interest you expressed in your letter of January 23 regarding the small quarry west of Superior.

A copy of your letter was provided to the Director of the Arizona Department of Mines and Mineral Resources, Leroy Kissinger, so that he could provide me with the technical data necessary to reply to your letter.

The small quarry shown in your photograph is located on private land belonging to the owners of the Picketpost Ranch and Picketpost Inn, Mr. and Mrs. W.Z. Rose. They have leased the deposit to a raw material supplier who is doing the mining. The material being mined is a high grade zeolite mineral known as clinoptilolite. This mineral is processed for use in the health care industry. Based on the uses of the mineral and the royalty received by the property owners, the raw material is quite valuable and definitely not common construction material. Although other deposits of similar mineral may exist in the immediate area, none are known to be nearly as high a quality.

The quarry is only visible for a short distance along Highway 60, and cannot be seen from the town of Superior or the Boyce Thompson Arboretum. Further, I'm told the owners conferred with the arboretum before allowing the operation to begin.

The mine, although small, is a positive economic factor to the owners, operators, local business and the State's tax base.

Sincerely,



Arizona Department of Mines and Mineral Resources

MINE VISIT SUMMARY

DATE: Feb. 6, 1990

ENGINEER: Ken A. Phillips

Mine or Property Name: Picketpost Clinoptilolite

Location: SE, SE, T.2S, .R12E.

Pinal County

Elevation: 2480'

Topographic Map: Picketpost Mtn. 7.5'

Located immediately south of US Highway 60 on the south side of Silver King Wash. Access gate at mile post 223.6. Copy of a portion of topographic map is attached.

Ownership: Mr. and Mrs. W.Z. Rose  
P.O. Box 444  
Superior, Arizona 85273  
Phone: 689-5610

Land is private. The land and minerals are owned in fee simple by the Roses. They receive a production royalty of \$12.00 per ton for the zeolite material mined by a contractor named Calabar, located in Chandler. The material is shipped to a Texas manufacturer for use in making odor adsorbants for the health care industry.

Production is from a small quarry by a back hoe excavator and stockpiled on a a loading pad near highway access. Production is intermittent. Current quarry dimensions are about 100' long, 10' wide with a face 18' high. The quarry is only visible from a very short stretch of the highway. About 600 tons has been mined so far. The quarry can not be seen from the town of Superior or the Boyce Thompson Arboretum.

The material being mined is an altered (zeolitized) partially welded tuff. The important zeolite mineral is clinoptilolite. Analysis of the material is reported to be 90% clinoptilolite. Other occurrences in the area are reported to run only 40%.

A separate mine report and data for a new AzMILS occurrence and ADMMR Mine File have also been prepared.

PICKETPOST CLINOPTILOLITE



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