

NOSB NATIONAL LIST FILE CHECKLIST

CROPS

MATERIAL NAME: #19 Sticky Barriers



NOSB Database Form



References



MSDS (or equivalent)



**TAP Reviews from: Helmut Riedl, John Clark
Vivian Purdy**

**NOSB/NATIONAL LIST
COMMENT FORM
CROPS**

Material Name: #19 Sticky Barriers

Please use this page to write down comments, questions, and your anticipated vote(s).

COMMENTS/QUESTIONS:

1. In my opinion, this material is:
 Synthetic Non-synthetic.

2. This material should be placed on the proposed National List as:
 Prohibited Natural Allowed Synthetic.

TAP REVIEWER COMMENT FORM for USDA/NOSB

Use this page or an equivalent to write down comments and summarize your evaluation regarding the data presented in the file of this potential National List material. Complete both sides of page. Attach additional sheets if you wish.

This file is due back to us by: Sept 15, 1995

Name of Material: Sticky Barriers

Reviewer Name: HELMUT RIEDL

Is this substance Synthetic or non-synthetic? Explain (if appropriate)

If synthetic, how is the material made? (please answer here if our database form is blank)

This material should be added to the National List as:

Synthetic Allowed Prohibited Natural

or, Non-synthetic (This material does not belong on National List)

Are there any use restrictions or limitations that should be placed on this material on the National List?

Use only in traps for monitoring or mass trapping or for barriers

Please comment on the accuracy of the information in the file:

OK

Any additional comments? (attachments welcomed)

Do you have a commercial interest in this material? Yes; No

Signature

Helmut Riedl
DR. HELMUT RIEDL
MID-COLUMBIA EXPERIMENT STATION
OREGON STATE UNIVERSITY
3005 EXPERIMENT STATION DRIVE
HOOD RIVER, OR 97114

Date

9/14/95

**Please address the 7 criteria in the Organic Foods Production Act:
(comment in those areas you feel are applicable)**

- (1) the potential of such substances for detrimental chemical interactions with other materials used in organic farming systems;

no problem

- (2) the toxicity and mode of action of the substance and of its breakdown products or any contaminants, and their persistence and areas of concentration in the environment;

low toxicity; persistent but not likely to contaminate crop or environment

- (3) the probability of environmental contamination during manufacture, use, misuse or disposal of such substance;

don't know about manufacture, but environmental contamination during use is very low;

- (4) the effect of the substance on human health;

low toxicity, quite safe

- (5) the effects of the substance on biological and chemical interactions in the agroecosystem, including the physiological effects of the substance on soil organisms (including the salt index and solubility of the soil), crops and livestock;

little potential for adverse effects; does not move in soil

- (6) the alternatives to using the substance in terms of practices or other available materials; and

alternative trapping systems available for some pests but not others; other, probably less efficient, physical barriers could be

- (7) its compatibility with a system of sustainable agriculture.

compatible

used instead of sticky barrier

TAP REVIEWER COMMENT FORM for USDA/NOSB

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This file is due back to us by: Sept 15, 1995

Name of Material: Sticky Barriers

Reviewer Name: John Bell Clark, Ph.D.

Is this substance Synthetic or non-synthetic? Explain (if appropriate)

Synthetic - therefore prohibited in absence of

If synthetic, how is the material made? (please answer here if our database form is blank)

This subject represents the epitome of the wrong-headed way to review a material. Here's why: Material identity is not specified; only data is from manufacturer. Can't be reviewed in OFPA-legal way in this form.

This material should be added to the National List as:

Synthetic Allowed Prohibited Natural
or, Non-synthetic (This material does not belong on National List)

Are there any use restrictions or limitations that should be placed on this material on the National List?

Please comment on the accuracy of the information in the file:

Any additional comments? (attachments welcomed)

Do you have a commercial interest in this material? Yes; No

Signature John Bell Clark Date 9-13-95

identity & literature. ser. - 0

**Please address the 7 criteria in the Organic Foods Production Act:
(comment in those areas you feel are applicable)**

- (1) the potential of such substances for detrimental chemical interactions with other materials used in organic farming systems;

??

- (2) the toxicity and mode of action of the substance and of its breakdown products or any contaminants, and their persistence and areas of concentration in the environment;

?? hydrocarbons
petroleum products are persistent in environment

- (3) the probability of environmental contamination during manufacture, use, misuse or disposal of such substance;

?? how disposed of?

- (4) the effect of the substance on human health;

??

- (5) the effects of the substance on biological and chemical interactions in the agroecosystem, including the physiological effects of the substance on soil organisms (including the salt index and solubility of the soil), crops and livestock;

Also traps beneficial insects, mites, spiders, reptiles, amphibians

- (6) the alternatives to using the substance in terms of practices or other available materials; and

good organic environment, predator species enhancement

- (7) its compatibility with a system of sustainable agriculture.

not compatible, except in processing plants

TAP REVIEWER COMMENT FORM for USDA/NOSB

Use this page or an equivalent to write down comments and summarize your evaluation regarding the data presented in the file of this potential National List material. Complete both sides of page. Attach additional sheets if you wish.

This file is due back to us by: Sept. 15, 1995

Name of Material: Sticky Barriers

Reviewer Name: Vivian Purdy

Is this substance Synthetic or non-synthetic? Explain (if appropriate)

synthetic
If synthetic, how is the material made? (please answer here if our database form is blank)

This material should be added to the National List as:

Synthetic Allowed Prohibited Natural
or, Non-synthetic (This material does not belong on National List)

Are there any use restrictions or limitations that should be placed on this material on the National List?

Please comment on the accuracy of the information in the file:

Any additional comments? (attachments welcomed)

Do you have a commercial interest in this material? Yes; No

Signature

Vivian Purdy

Date

9-7-95

**Please address the 7 criteria in the Organic Foods Production Act:
(comment in those areas you feel are applicable)**

- (1) the potential of such substances for detrimental chemical interactions with other materials used in organic farming systems;

Very unlikely

- (2) the toxicity and mode of action of the substance and of its breakdown products or any contaminants, and their persistence and areas of concentration in the environment;

- (3) the probability of environmental contamination during manufacture, use, misuse or disposal of such substance;

- (4) the effect of the substance on human health;

- (5) the effects of the substance on biological and chemical interactions in the agroecosystem, including the physiological effects of the substance on soil organisms (including the salt index and solubility of the soil), crops and livestock;

Occasionally will trap beneficial insects, but does not attract them

- (6) the alternatives to using the substance in terms of practices or other available materials; and

trapping, barriers are the least invasive pest control measures

- (7) its compatibility with a system of sustainable agriculture.

good!

Identification

Common Name	Sticky Barriers	Chemical Name	
Other Names			
Code #: CAS		Code #: Other	
N. L. Category	Synthetic Allowed	MSDS	yes

Chemistry

Family

Composition

Properties Remains tacky with strong adhesion properties over a wide temperature range. Usually a clear to white or translucent paste or gel with a high viscosity.

How Made
Some kinds are made from petroleum wax and linear hydrocarbons. Others may consist of polybutenes with stabilizers.

Use/Action

Type of Use Crops

Use(s) Pest control and monitoring. Often used in conjunction with traps as a production aid.

Action

Combinations

Status

OFPA

N. L. Restriction

EPA, FDA, etc

Safety Guidelines can be flammable. Wear protective clothing

Directions

Registration

State Differences

Historical status

International status

OFPA Criteria

2119(m)1: chemical interactions

2119(m)2: toxicity & persistence

2119(m)3: manufacture & disposal consequences

2119(m)4: effect on human health

Does not come into direct contact with food.

2119(m)5: agroecosystem biology

It's use in limited quantities in confined areas such as traps or on tree trunks, along with its very limited mobility, make it unlikely to have much impact on the environment.

2119(m)6: alternatives to substance

natural barriers.

2119(m)7: Is it compatible?

References

The Tanglefoot Company, Tangle-Trap Product Information. Grand Rapids, MI

MATERIAL SAFETY DATA SHEET

===== I. PRODUCT IDENTIFICATION =====

Trade name (as labeled): STIKEM SPECIAL —

Chemical names, common names: Petroleum Wax, linear hydrocarbon

Manufacturer's Name: Seabright

Address: 4026 Harlan St., Emeryville, CA 94608

Emergency phone: (415) 254-0222

*Name of preparer: Calcoast Labs, Inc

Date prepared: June 20, 1986

Business phone: (415) 655-3126

===== II. HAZARDOUS INGREDIENTS =====

<u>Chemical Names</u>	<u>CAS Numbers</u>	<u>Percent*</u>	<u>Exposure Limits in Air</u>		
			<u>ACGIH(TLV)</u>	<u>OSHA(PEL)</u>	<u>Other</u>
None	N/A	N/A		N/A	

===== III. PHYSICAL PROPERTIES =====

Vapor density (air=1): N/A	Melting point or range, F -51.1 ^o C,
Specific gravity: 0.86	-60 ^o F
Solubility in water: <0.09	Boiling point or range, F 270 ^o C,
Vapor pressure, mmHg at 20 C: <0.01	518 ^o F Decomposes
Evaporation rate (butyl acetate = 1): N/A	Total Wt. Loss
Appearance and odor: Translucent gel, mild odor	

HOW TO DETECT THIS SUBSTANCE* (warning properties of substance as a gas, vapor, dust, or mist)

Mild Hydrocarbon Odor

*Not required. Space has been provided on this form for optional use.

NOTE: All categories should be addressed. If any item is not applicable, or no information is available, the space must be marked to indicate that. By November 25, 1985, California is expected to require all MSDS information required by the Federal OSHA Hazard Communication Standard, plus CAS numbers and an explanation of health effects in lay terms.

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IV. FIRE AND EXPLOSION
=====

Flash Point, F (give method) 360^oF TCC ASTM D56
Autoignition temperature, F 525^oF ASTM D92
Flammable limits in air, volume %: lower N/A upper N/A
Fire extinguishing materials:

water spray carbon dioxide other:
 foam dry chemical

Special firefighting procedures:

Wear self contained breathing apparatus. Prevent inhalation of smoke or vapors

Unusual fire and explosion hazards:

Vapors may form explosive mixture with air

=====
V. HEALTH HAZARD INFORMATION
=====

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: No known effects

Contact with skin or eyes: Very minor irritation

Absorbed through skin: Minor irritation, acute dermal toxicity
(LD50) >10.25 gm/kg

Swallowed: Nausea, acute oral toxicity (LD50) >34.60 gms/kg

HEALTH EFFECTS OR RISKS FROM EXPOSURE. Explain in lay terms. Attach extra page if more space is needed.

Acute: None Known

Chronic: None Known

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Flush eyes with plenty of water

Skin Contact: After diluting with salad oil or any lanolin base,
remove all contact transfer with soap and water.

Inhaled: Not Applicable

Swallowed: Do not induce vomiting. Consult physician

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists below.

YES: Federal OSHA NTP IARC Cal/OSHA (see note)*

NOTE: California employers using Cal/OSHA-regulated carcinogens must register with Cal/OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None Known

RECOMMENDATIONS TO PHYSICIAN

===== VI. REACTIVITY DATA =====

Stability: Stable Unstable

Conditions to avoid:

Exposure to open flame

Incompatibility (materials to avoid):

None Known

Hazardous decomposition products (including combustion products):

Carbon dioxide/carbon monoxide, acrid fumes and smoke

Hazardous polymerization: May occur Will not occur

Conditions to avoid:

Exposure to open flame

===== VII. SPILL, LEAK AND DISPOSAL PROCEDURES =====

Spill response procedures (include employee protection measures):

Remove mechanically or contain on absorbent material. Treat as an oil spill. Dike and pump to waste tank.

Preparing wastes for disposal (container types, neutralization, etc.):

Containerize in polyethylene lined fibreboard drums.
Enclosed controlled incineration is recommended.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

===== VIII. SPECIAL HANDLING INFORMATION =====

Ventilation and engineering controls

Local exhaust required: Refer to ACGIH document "Industrial Ventilation, A Manual of Recommended Practices"

Respiratory protection

At elevated temperatures, use chemical respiratory

Eye protection (type)

Use chemical safety goggles. Maintain eyewash fountain

Gloves (specify material)

Any hydrocarbon resistant material

Other clothing and equipment

Use hydrocarbon oil resistant clothing

Work practices, hygienic practices

After diluting with salad oil or any lanolin base, remove all contact transfer with soap and water.

Other handling and storage requirements

Keep in closed container away from sources of ignition

===== IX. LABELING =====

Labeling (precautionary statements)*

Non Hazardous

D.O.T. Label*

Non Hazardous

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